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# Leveraging Technology for Employee Performance: A Study on The Role of Digital Tools in Retail HR Practices

***Mr. Y. Karthikeya Reddy***
MBA 2nd Year Student, Department of Management Studies, Vardhaman College of Engineering
Email Id: karthikeyareddyappu@gmail.com

***S. Venkata Siva Kumar***
Associate Professor, Department of Management Studies, Vardhaman College of Engineering

**Abstract**
This study examines the adoption and impact of digital HR tools in the retail sector, focusing on their effectiveness, implementation challenges, and optimization strategies. Through a comprehensive analysis of employee perceptions and organizational factors, the research reveals that digital HR tools are generally viewed as beneficial, particularly for performance tracking and skill enhancement. Larger retailers with greater resources show higher success rates in implementing SMAC technologies, while adoption barriers like resistance to change and data privacy concerns persist uniformly across all retail segments. Employee experience significantly influences adaptability, with structured digitalization strategies proving most effective. The study confirms the reliability of digital HR measurement tools but highlights diverse employee experiences, emphasizing the need for tailored implementation approaches. Key findings suggest that organizational size and workforce experience are critical determinants of success, whereas job roles and retail sectors show minimal differential impact. The research provides actionable recommendations for retail managers, including prioritizing cloud-based solutions, addressing universal privacy concerns, and customizing training based on employee tenure. These insights contribute to both academic discourse and practical HR management, offering a foundation for future studies on digital transformation in retail workforce optimization.
**Keywords:** Digital HR tools, Retail workforce, SMAC technologies, Organizational performance, Change management, Employee experience.

## 1. Introduction

The rapid digital transformation in the business landscape has reshaped Human Resource (HR) practices, particularly in the retail sector, where employee performance directly impacts customer satisfaction and organizational success. Digital HR tools—such as HR analytics, e-recruitment, AI-driven training, and performance management systems—have emerged as critical enablers of efficiency, engagement, and productivity (Zhang et al., 2024; Okatta et al., 2024). Studies highlight that digital HR practices significantly enhance workforce productivity by fostering innovative work behavior and streamlining HR operations (Zhang et al., 2024). However, while technology adoption offers immense potential, challenges such as data privacy concerns, resistance to change, and the need for upskilling employees persist (Okatta et al., 2024; Ravesangar & Narayanan, 2024). This research explores how digital tools in retail HR practices can optimize employee performance while addressing these challenges.

The retail industry, characterized by high employee turnover and dynamic customer demands, stands to benefit immensely from digital HR interventions. Research indicates that employee engagement and customer experience are closely linked to HR strategies such as continuous training, rewards, and a supportive work environment (Afolabi et al., 2023). Furthermore, digital transformation in HR not only improves operational efficiency but also facilitates data-driven decision-making, enabling organizations to identify skill gaps, predict attrition, and personalize employee development (Madhani, 2022). Despite these advantages, gaps remain in understanding how small and medium-sized retail enterprises (SMEs) can effectively integrate digital HR tools to maximize employee performance. This study aims to bridge that gap by analyzing the role of digital HR tools in enhancing workforce productivity and engagement in the retail sector.

 

## 2. Review of Literature

The integration of digital tools in HR practices has revolutionized workforce management, with studies demonstrating their impact on productivity, engagement, and organizational performance. Zhang et al. (2024) found that digital HR practices in Chinese SMEs significantly enhance digital transformation and innovative work behavior, leading to higher productivity. Similarly, Afolabi et al. (2023) emphasized that innovative HR strategies in retail—such as e-recruitment, digital training, and performance analytics—improve employee engagement and customer satisfaction. HR analytics, in particular, enables organizations to optimize talent acquisition, predict turnover, and enhance workforce planning (Okatta et al., 2024). However, challenges such as data quality, privacy concerns, and employee resistance hinder full adoption (Ravesangar & Narayanan, 2024).

The shift toward Digital Human Resource Management (DHRM) has further accelerated with technologies like AI, cloud computing, and mobile platforms, making HR processes more agile and data-driven (Yuan, 2023). E-HRM systems, for instance, have been shown to improve recruitment efficiency and compensation management in Nigeria's banking sector (Iqbal et al., 2019). Additionally, AI-powered HR tools facilitate personalized learning, real-time performance tracking, and predictive analytics, contributing to a more adaptive workforce (Ganatra & Pandya, 2023). Despite these advancements, research indicates that many organizations struggle with aligning digital HR strategies with employee needs, particularly in SMEs (Wang et al., 2022). The literature underscores the need for a structured approach to digital HR implementation, combining technological adoption with change management and continuous skill development (Salvadorinho & Teixeira, 2023).

### 2.1 Research Gap and Relevance of the Present Study

While existing research highlights the benefits of digital HR tools, there remains a significant gap in understanding their optimal implementation in the retail sector, particularly among SMEs. Most studies focus on large enterprises or non-retail industries, leaving a lack of sector-specific insights (Zhang et al., 2024; Afolabi et al., 2023). Additionally, the interplay between digital HR adoption, employee resistance, and organizational culture in retail environments remains underexplored. This study addresses these gaps by examining how retail organizations can leverage digital HR tools—such as AI-driven analytics, e-learning platforms, and automated performance management—to enhance employee performance while mitigating implementation challenges. By providing actionable strategies tailored to retail HR practices, this research contributes to both academic discourse and practical HR management in the digital era.

### 2.2 Research Objectives

1. To examine the impact of digital HR tools on employee performance in retail organizations.
2. To evaluate the effectiveness of SMAC technologies in optimizing HR functions.
3. To identify key challenges in adopting digital HR tools in retail HR practices.
4. To provide empirical insights into real-world applications of digital HR tools.

### 2.3 Research Questions

1. How do digital HR tools influence employee performance in the retail sector?
2. What is the role of SMAC technologies in improving HR functions like training and performance management?
3. What are the main barriers to adopting digital HR tools in retail organizations?
4. How are digital HR tools currently being applied in real-world retail settings?

## 3. Research Methodology

### 3.1 Research Design

This study employed a quantitative research design to assess the impact of digital HR tools on employee performance in the retail sector. A structured questionnaire was used to gather data, covering various dimensions such as productivity, engagement, service quality, challenges in adoption, and the effectiveness of SMAC (Social, Mobile, Analytics, Cloud) technologies in HR functions.

### 3.2 Population and Sampling

The target population for this study consisted of retail employees, including HR personnel, sales associates, store managers, and other relevant staff across various retail sectors (e.g., apparel, electronics, grocery). A non-probability convenience sampling method was adopted to reach participants who were familiar with or actively using digital HR tools.

### 3.3 Data Collection Instrument

The data collection instrument was a comprehensive questionnaire with five sections: Demographic Information, Impact of Digital HR Tools, Role of SMAC Technologies, Challenges and Barriers, and Strategies for Optimization. All items were measured using a 5-point Likert scale (1 = Strongly Disagree, 5 = Strongly Agree).

### 3.4 Reliability and Validity

Reliability of the questionnaire was assessed using Cronbach's Alpha, with a value of 0.966, indicating excellent internal consistency across the items. This demonstrates that the instrument is reliable for measuring the intended constructs.

### 3.5 Data Analysis Techniques

The following statistical tools were used for data analysis:

- **Descriptive Statistics** were used to summarize demographic data and item responses.
- **Cronbach's Alpha** was calculated to confirm the reliability of the questionnaire items.
- **ANOVA One-Way** and **t-tests for Independent Samples** were used to examine differences in responses across demographic variables (e.g., age, gender, job role, and familiarity with digital HR tools).

### 3.6 Ethical Considerations

Participation in the survey was voluntary, and respondents were assured of anonymity and confidentiality. Informed consent was obtained from all participants before data collection commenced.

## 4. Data Analysis and Interpretation

This section presents a comprehensive analysis of the collected data, examining the impact of digital HR tools on employee performance in the retail sector. The findings are statistically evaluated and contextualized within existing literature to derive meaningful conclusions. The analysis follows this structured approach:

**Stage-1: Descriptive Statistics** – Summarizes key trends in digital HR adoption, employee performance metrics, and demographic characteristics of respondents.

**Stage-2: Reliability Analysis** – Assesses the internal consistency of the survey instrument using Cronbach's Alpha.

**Stage-3: Inferential Statistics** – Tests hypotheses through

- ✓ *Independent t-tests* (e.g., comparing performance between users/non-users of digital tools).
- ✓ *One-way ANOVA* (e.g., evaluating differences across retail sub-sectors or company sizes).

### 4.1 Descriptive Statistics

This section summarizes the dataset using mean (M) and standard deviation (SD) to highlight central tendencies and response variability. The analysis examines key variables like employee performance, digital HR tool effectiveness, and adoption challenges. Mean scores indicate average perceptions, while SD reveals response consistency. Higher SD values suggest greater opinion divergence among retail employees. These findings provide a baseline for subsequent inferential analysis.

| Table – 4.1 Descriptive Statistics | | | | |
|---|---|---|---|---|
| **Code** | **Statement** | **N** | **Mean** | **S.D.** |
| **Impact of Digital HR Tools on Employee Performance** | | | | |
| IDHRTOEP.1 | Digital HR tools have improved my overall job performance. | 102 | 3.08 | 1.280 |
| IDHRTOEP.2 | The use of digital HR tools has enhanced my efficiency and productivity at work. | 102 | 2.97 | 1.331 |
| IDHRTOEP.3 | HR digital platforms make it easier to track and manage performance goals. | 102 | 3.19 | 1.233 |
| IDHRTOEP.4 | Training modules provided via digital platforms have enhanced my skills and job knowledge. | 102 | 3.15 | 1.353 |
| IDHRTOEP.5 | Digital HR tools help in reducing errors and improving accuracy in HR-related tasks. | 102 | 3.24 | 1.321 |
| **Role of Social, Mobile, Analytics, and Cloud (SMAC) Technologies in HR Functions** | | | | |
| RSMACTHRF3.1 | Social media is effectively used for internal communication and collaboration. | 102 | 3.12 | 1.322 |
| RSMACTHRF3.2 | Mobile HR applications have made HR processes more accessible and efficient. | 102 | 3.02 | 1.297 |
| RSMACTHRF3.3 | HR analytics provide valuable insights that improve employee performance management. | 102 | 3.21 | 1.277 |
| RSMACTHRF3.4 | Cloud-based HR systems allow easy access to HR resources from any location. | 102 | 3.32 | 1.244 |
| RSMACTHRF3.5 | Digital HR tools help personalize training and career development programs | 102 | 3.14 | 1.407 |
| **Challenges and Barriers in Adopting Digital HR Tools** | | | | |
| CBADHRT4.1 | Lack of proper training is a major barrier to using digital HR tools effectively. | 102 | 2.95 | 1.269 |
| CBADHRT4.2 | Some employees find it difficult to adapt to digital HR systems. | 102 | 3.06 | 1.304 |
| CBADHRT4.3 | The transition from traditional to digital HR practices has been challenging. | 102 | 3.21 | 1.180 |
| CBADHRT4.4 | There are concerns about data security and privacy in digital HR tools. | 102 | 3.12 | 1.300 |
| CBADHRT4.5 | There are concerns about data security and privacy in digital HR tools. | 102 | 3.21 | 1.330 |
| **Strategies for Optimizing Digital HR Tools in Retail** | | | | |
| SODHRTR5.1 | Digital HR tools should be regularly updated to keep up with technological advancements. | 102 | 3.09 | 1.252 |
| SODHRTR5.2 | Organizations should conduct regular training programs for employees on digital HR tools. | 102 | 3.10 | 1.331 |
| SODHRTR5.3 | A well-structured HR digitalization strategy is needed for long-term benefits | 102 | 3.18 | 1.375 |
| SODHRTR5.4 | Employee feedback should be considered when implementing digital HR solutions. | 102 | 3.17 | 1.321 |
| SODHRTR5.5 | Digital HR tools should be integrated seamlessly with existing business processes | 102 | 3.11 | 1.364 |

**Interpretation:** The descriptive statistics reveal moderately positive perceptions of digital HR tools' impact on employee performance (M=3.08-3.24, SD=1.233-1.353), with performance goal tracking showing the highest mean (3.19). SMAC technologies were viewed favourably (M=3.02-3.32, SD=1.244-1.407), particularly cloud-based systems (3.32). Adoption challenges showed significant variability (M=2.95-3.21, SD=1.180-1.330), with transition difficulties (3.21) and data privacy concerns (3.21) being most prominent. Optimization strategies received consistent support (M=3.09-3.18, SD=1.252-1.375), especially for structured digitalization strategies (3.18). The relatively high standard deviations across all categories indicate substantial variation in employee experiences with digital HR implementations.

### 4.2 Reliability Analysis

This section evaluates the internal consistency of the survey instrument using Cronbach's Alpha to ensure the reliability of measurement scales. A high alpha value (closer to 1) indicates strong consistency among items measuring the same construct, validating their use for further analysis. The test was conducted separately for each key dimension of the study: impact of digital HR tools, role of SMAC technologies, adoption challenges, and optimization strategies. This statistical verification confirms whether the questionnaire items reliably measured the intended variables before proceeding with hypothesis testing.

**Table – 4.2 Reliability Analysis**

| S. No. | Scale Unit | Cronbach's Alpha | Interpretation |
|---|---|---|---|
| 1 | Impact of Digital HR Tools on Employee Performance | 0.910 | Excellent |
| 2 | Role of Social, Mobile, Analytics, and Cloud (SMAC) Technologies in HR Functions | 0.904 | Excellent |
| 3 | Challenges and Barriers in Adopting Digital HR Tools | 0.903 | Excellent |
| 4 | Strategies for Optimizing Digital HR Tools in Retail | 0.918 | Excellent |

**Interpretation:** The reliability analysis results demonstrate excellent internal consistency across all measurement scales, with Cronbach's Alpha values ranging from 0.903 to 0.918, significantly exceeding the recommended threshold of 0.70. Specifically, the "Strategies for Optimizing Digital HR Tools" scale showed the highest reliability (α=0.918), followed closely by "Impact of Digital HR Tools" (α=0.910), "SMAC Technologies in HR Functions" (α=0.904), and "Adoption Challenges" (α=0.903). These consistently high alpha values confirm that the survey items within each construct measured the same underlying concepts with remarkable consistency, validating the instrument's reliability for subsequent statistical analysis. The findings indicate that respondents interpreted and answered related questions in a coherent manner, ensuring the data's robustness for examining the research hypotheses regarding digital HR implementation in retail settings.

### 4.3 Inferential Statistics

This section conducts objective-based hypothesis testing to examine the research questions through appropriate statistical methods. Independent samples t-tests will evaluate Objective 1 (comparing performance between users/non-users of digital tools) and Objective 4 (comparing early vs. late adopters), while one-way ANOVA will assess Objective 2 (differences in SMAC effectiveness across company sizes) and Objective 3 (variation in adoption challenges across retail sub-sectors). These analyses determine whether the observed differences in digital HR adoption and effectiveness are statistically significant, providing empirical validation for each research objective. The results will either support or reject the formulated hypotheses, offering data-driven insights into how digital HR tools impact retail workforce performance across different organizational contexts and implementation stages.

Table

| **Table – 4.5 Objective-Based Hypothesis Testing Framework for Digital HR Adoption in Retail *(Analysis of Demographic Moderators Using One-Way ANOVA)*** | | | | | |
|---|---|---|---|---|---|
| **Objective** | **Analysis Focus** | **Demographic Variable** | **Statistical Test** | **Key Justification** | **Null Hypothesis ($H_0$)** |
| 1. Impact of Digital HR Tools on Employee Performance | Employee performance differences | Job Position | One-way ANOVA | Different job roles use tools differently | No difference in performance across job positions |
| 2. Role of Social, Mobile, Analytics, and Cloud (SMAC) Technologies in HR Functions | HR function optimization | Company Size | One-way ANOVA | Larger companies have more resources for tech adoption | No difference in efficiency across company sizes |
| 3. Challenges and Barriers in Adopting Digital HR Tools | Implementation barriers | Retail Type | One-way ANOVA | Sector differences affect adoption | No difference in challenges across retail types |
| 4. Strategies for Optimizing Digital HR Tools in Retail | Tool effectiveness | Experience Years | One-way ANOVA | Experience affects tech adaptability | No difference in effectiveness across experience levels |

| **Table 5. Consolidated ANOVA Results for Digital HR Adoption in Retail** | | | | | |
|---|---|---|---|---|---|
| ***(All hypotheses tested at α=0.05)*** | | | | | |
| **Objective** | **Grouping Variable** | **F-value** | **p-value** | **Result** | **Interpretation** |
| 1. Impact of Digital HR Tools on Employee Performance | Job Position | 2.101 | 0.105 | Retain $H_{01}$ | No significant differences across positions |
| 2. Role of Social, Mobile, Analytics, and Cloud (SMAC) Technologies in HR Functions | Company Size | 4.727 | 0.011 | Reject $H_{02}$ | Significant effect of company size |
| 3. Challenges and Barriers in Adopting Digital HR Tools | Retail Type | 2.547 | 0.083 | Retain $H_{03}$ | No sector-specific differences |
| 4. Strategies for Optimizing Digital HR Tools in Retail | Experience Years | 3.997 | 0.01 | Reject $H_{04}$ | Experience level significantly affects strategy effectiveness |

**Interpretation:**

The ANOVA results reveal mixed outcomes for digital HR adoption in retail: while company size significantly impacts SMAC technology effectiveness (F=4.727, p=0.011) and experience years influence optimization strategy success (F=3.997, p=0.01), neither job position (F=2.101, p=0.105) nor retail type (F=2.547, p=0.083) demonstrate statistically significant effects on tool performance or adoption challenges respectively. These findings suggest that organizational

scale (large vs. small retailers) and workforce experience levels are critical moderators of digital HR implementation success, whereas uniform training across positions and consistent sector-agnostic barriers may explain the non-significant results for job roles and retail categories. The significant effects ($p<0.05$) highlight the need for tailored approaches based on company resources and employee tenure when deploying digital HR solutions in retail environments.

## 5. Research Findings

The study uncovered several critical insights into the adoption and impact of digital HR tools in the retail sector. The literature review established that while digital HR technologies offer significant potential for enhancing workforce productivity, their implementation in retail—particularly among SMEs—remains underexplored. The analysis revealed that retail employees generally perceive digital HR tools as beneficial, particularly for performance tracking and skill development. However, the effectiveness of these tools varies significantly based on organizational factors rather than individual roles, suggesting that job position does not substantially influence outcomes.

Data analysis highlighted that larger retail organizations derive greater value from SMAC technologies due to their enhanced resources and infrastructure. In contrast, adoption challenges such as resistance to change and data privacy concerns were found to be universal across all retail sectors, indicating that these barriers are not specific to any particular type of retail operation. Employee experience emerged as a key factor in successful digital HR implementation, with more experienced staff showing varying levels of adaptability compared to newer employees. The reliability of the survey instrument was confirmed, but the high variability in responses pointed to diverse employee experiences, underscoring the need for tailored approaches in digital HR strategy.

## 6. Conclusion

This research underscores the transformative potential of digital HR tools in the retail sector while identifying key factors that influence their success. The findings demonstrate that organizational scale and workforce experience play pivotal roles in determining the effectiveness of digital HR adoption, whereas sector-specific differences and hierarchical positions show negligible impact. The universal nature of adoption challenges suggests that retailers must prioritize robust change management and data security measures, regardless of their market segment. The study concludes that successful digital HR implementation in retail requires a balanced approach, combining scalable technology solutions with customized training programs that account for employee experience levels. These insights provide valuable guidance for retail managers and HR professionals seeking to optimize workforce performance through digital transformation. Future research should explore longitudinal effects and sector-specific adaptations to further refine digital HR strategies for retail environments.

## References

1. Nurhasanah, N. S. U., & Sinambela, N. J. M. (2022). Digital transformation in Human Resource Management: Challenges and opportunities. *Brilliant International Journal of Management and Tourism*, *2*(3), 307–317. https://doi.org/10.55606/bijmt.v2i3.2907
2. Zhang, Y., Iqbal, S., Tian, H., & Akhtar, S. (2024). Digitizing Success: Leveraging digital human resource practices for transformative productivity in Chinese SMEs. *Heliyon*, *10*(17), e36853. https://doi.org/10.1016/j.heliyon.2024.e36853
3. Afolabi, N. J. O. A., Olatoye, N. F. O., Eboigbe, N. E. O., Abdul, N. a. A., & Daraojimba, N. H. O. (2023). Revolutionizing Retail: HR Tactics for Improved Employee and Customer Engagement. *International Journal of Applied Research in Social Sciences*, *5*(10), 487–514. https://doi.org/10.51594/ijarss.v5i10.635
4. Okatta, N. C. G., Ajayi, N. F. A., & Olawale, N. O. (2024). Leveraging HR analytics for strategic decision making: opportunities and challenges. *International Journal of Management & Entrepreneurship Research*, *6*(4), 1304–1325. https://doi.org/10.51594/ijmer.v6i4.1060
5. Chinenye Gbemisola Okatta, Funmilayo Aribidesi Ajayi, & Olufunke Olawale. (2024). Navigating The Future: Integrating AI And Machine Learning in HR Practices For A Digital Workforce. *Computer Science & IT Research Journal*, *5*(4), 1008-1030. https://doi.org/10.51594/csitrj.v5i4.1085

6. Ravesangar, K., & Narayanan, S. (2024). Adoption of HR analytics to enhance employee retention in the workplace: A review. *Human Resources Management and Services*, *6*(3), 3481. https://doi.org/10.18282/hrms.v6i3.3481
7. Hizam, S. M., Akter, H., Sentosa, I., Ahmed, W., Masrek, M. N., & Ali, J. (2023). Predicting Workforce Engagement towards Digital Transformation through a Multi-Analytical Approach. *Sustainability*, *15*(8), 6835. https://doi.org/10.3390/su15086835
8. Yuan, T. (2023). Research on Digital transformation of human resources in Enterprise Management. *Advances in Economics Management and Political Sciences*, *6*(1), 232–236. https://doi.org/10.54254/2754-1169/6/20220210
9. Baskaran, S., Lay, H. S., Ming, B. S., & Mahadi, N. (2020). Technology Adoption and Employee's Job Performance: An Empirical investigation. *International Journal of Academic Research in Economics and Management Sciences*, *9*(1). https://doi.org/10.6007/ijarems/v9-i1/7443
10. Shukor, S. a. M., Munir, Z. A., Ibrahim, M. A., Omar, N., & Malik, S. A. (2019). The Competitive Advantage of Technology: The impact of human resources, organization and technology at a local State Government-Based organization. *International Journal of Academic Research in Business and Social Sciences*, *9*(6). https://doi.org/10.6007/ijarbss/v9-i6/6067
11. Iqbal, N., Ahmad, M., & Allen, M. M. (2019). Unveiling the relationship between e-HRM, impersonal trust and employee productivity. *Management Research Review*, *42*(7), 879–899. https://doi.org/10.1108/mrr-02-2018-0094
12. Ganatra, N. J., & Pandya, J. D. (2023). The transformative impact of artificial intelligence on hr practices and employee experience: A review. *Journal of Management Research and Analysis*, *10*(2), 106–111. https://doi.org/10.18231/j.jmra.2023.018
13. Ebnezer, N., & Priya, N. D. V. K. (2022). "The Impacting Factors of Digitalization On HR, Scope For Digital Skills And Retention." *Journal of Pharmaceutical Negative Results*, 2523–2327. https://doi.org/10.47750/pnr.2022.13.s06.326
14. Sun, Y., & Jung, H. (2024). Machine Learning (ML) Modeling, IoT, and Optimizing Organizational Operations through Integrated Strategies: The Role of Technology and Human Resource Management. *Sustainability*, *16*(16), 6751. https://doi.org/10.3390/su16166751
15. alvadorinho, J., & Teixeira, L. (2023). Happy and Engaged Workforce in Industry 4.0: A new concept of digital tool for HR based on theoretical and practical trends. *Sustainability*, *15*(3), 2781. https://doi.org/10.3390/su15032781
16. Wang, L., Zhou, Y., & Zheng, G. (2022). Linking Digital HRM Practices with HRM Effectiveness: The Moderate Role of HRM Capability Maturity from the Adaptive Structuration Perspective. *Sustainability*, *14*(2), 1003. https://doi.org/10.3390/su14021003
17. Kraugusteeliana, K., Gadzali, S. S., & Ausat, A. M. A. (2023). Revitalising Organisational performance: Innovative Strategies for Information Technology-Based human resource development. *Jurnal Minfo Polgan*, *12*(2), 2384–2392. https://doi.org/10.33395/jmp.v12i2.13277
18. Zhang, Y., Iqbal, S., Tian, H., & Akhtar, S. (2024b). Digitizing Success: Leveraging digital human resource practices for transformative productivity in Chinese SMEs. *Heliyon*, *10*(17), e36853. https://doi.org/10.1016/j.heliyon.2024.e36853
19. Madhani, P. M. (2022). Human Resources Analytics: Leveraging human resources for enhancing business performance. *Compensation & Benefits Review*, *55*(1), 31–45. https://doi.org/10.1177/08863687221131730