VINIT MEHRA

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[**https://www.vinitmehra.in/**](https://www.vinitmehra.in/)

# EDUCATION

**INTERNATIONAL INSTITUTE OF BUSINESS STUDIES** *August 2023 - Present*

Master of Business Administration

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY** *July 2019 - May 2023*

Bachelor of Technology, Computer Science with specialization in AI & ML.

**CGPA: 9.17**

# AREA OF INTEREST

* **Data Analytics**
* **Business Analytics**
* **Data Engineer**
* **ML Engineer**

# TECHNICAL SKILLS

**Programming Languages:** Python - C/C++ - SQL - R - JavaScript - HTML - CSS

**Software Tools:** Power Bi - Tableau - Microsoft excel - AWS - Apache Spark - Hadoop - TensorFlow - Unreal Engine

**Machine Learning and Analytics:** Machine Learning - Data Analytics - Business Analytics - Extract, Transform & Load - Big Data - NoSQL - Statistical Models - Visualizations - Time Series Analysis - Exploratory Data Analysis - Artificial Intelligence - Deep Learning - Natural Language Processing - Computer Vision - Regression Analysis - Cluster Analysis

# PROFESSIONAL EXPERIENCE

**Unified Mentor Pvt Ltd** *February 2024 - April 2024*

***Data Analyst Intern***

* Developed predictive models for HR analytics, Finance, and Sales domains, resulting in enhanced accuracy across all sectors by an average of 15%, showcasing a notable improvement in forecasting capabilities
* Conducted data preprocessing, cleaning, and feature engineering, leading to a 15% improvement in model accuracy and a remarkable 30% enhancement in overall efficiency, facilitating smoother and more effective data analysis processes
* Created visually engaging Tableau dashboards, reducing decision-making time by 25%

**Intervie Tech** *February 2024 - March 2024*

***Data Analyst Intern***

* Conducted data cleaning and performed exploratory analysis, resulting in a 10% reduction in data processing time
* Prepared visualizations to enhance data interpretation, reducing analysis time by 15%
* Built predictive models, achieving a 10% increase in predictive accuracy, which
* Selected as the team leader for the final task, leading to a 15% increase in team productivity, and successfully completed the project ahead of schedule

# PROJECTS AND PAPERS

[**GitHub**](https://github.com/vinit714)• [**Kaggle**](https://www.kaggle.com/vinit0714)•[**Tableau Public**](https://public.tableau.com/app/profile/vinit.mehra7432/vizzes)•[**Google Scholar**](https://scholar.google.com/citations?hl=en&user=ZZby6HIAAAAJ)

* **Paper on Efficient Net-based Expert System for Facial Skincare Recommendations:** Designed and deployed a hybrid machine learning model for personalized facial skincare recommendations, achieving a validation accuracy of 80%
* **Paper on Optimizing Real-Time Path Planning for NPC Navigation:** Improved video game character movement with a smarter path planning method, resulted in a 25% reduction in NPC navigation errors and a 5% improvement in path planning
* **Optimizing Warehouse Efficiency via Python-Based Order Batching:** Developed a Python simulation tool to optimize warehouse picking routes using clustering and wave picking strategies, reducing walking time and improving efficiency
* **IBM HR Employee Attrition Analysis:** Built a predictive system using IBM HR Kaggle dataset to identify employees likely to leave the company. Achieved 87.22% accuracy using Random Forest and 86.41% with XGBoost + SMOTE, improving class imbalance handling (ROC AUC 0.68, Kappa 0.40). Used Python, SMOTE, XGBoost, ANN, and Scikit-learn to analyze patterns and improve model performance

# CERTIFICATIONS AND MEMBERSHIP

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| --- | --- |
| **Certifications** | **Issuing organization** |
| **Microsoft Power BI Data Analyst Professional Certificate** | **Microsoft** |
| **Database Foundations** | **Oracle** |
| **Apache Spark (TM) SQL for Data Analysts** | **Databricks** |
| **SQL (Advanced) Certification** | **Hackerrank** |
| **Python Certification** | **Hackerrank** |

# AWARDS AND ACHIEVEMENTS



Authored and published

**2** **research papers** at IEEE

Elected as **President of the HR Club** of the first year MBA

3rd position at the **Best Manager** event at the IIBS Surface 2023

Promoted to **Kaggle Contributor** status through successful competition participation