VINIT MEHRA

Bangalore, India • vinitm2001@gmail.com • +91 9409383936 / +91 9737332007 • LinkedIn

🌐 **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 · Kaggle · Tableau Public · Google Scholar

- **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

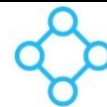| Certifications	Issuing organization
Microsoft Power BI Data Analyst Professional Certificate	**Microsoft**
Database Foundations	**Oracle**
Apache Spark (TM) SQL for Data Analysts	**Databricks**
SQL (Advanced) Certification	**Hackerrank**
Python Certification	**Hackerrank**

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