

VINIT MEHRA

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<https://www.vinitmehra.in/>

EDUCATION

INTERNATIONAL INSTITUTE OF BUSINESS STUDIES

Master of Business Administration

August 2023 - Present

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

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

July 2019 - May 2023

CGPA: 9.17

AREA OF INTEREST

- Data Analytics
- Data Engineer
- Business Analytics
- 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% and a training accuracy of 87.10% with the implementation of EfficientNet B0
- **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
- **Player Retention Analysis:** Built a comprehensive Streamlit app integrating Machine Learning, SHAP explainability, and NLP techniques to analyze and predict player churn behavior in games. Improved player retention using Python and data visualization

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