

Amit Kumar Deo

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EDUCATION

Vellore Institute of Technology
BTECH - Computer Science and Engineering
CGPA- 9.12

Amaravati, Ap

Aug. 2023 – May 2027

Red Roses Public School
CENTRAL BOARD OF SECONDARY EDUCATION
PCM- 88%
CLASS X- 93%

Saket, New Delhi

2023

2021

EXPERIENCE

Research Associate, Entrepreneurship Club
Vellore Institute of Technology

Oct 2024 – Present

- Conducted market research and analyzed company performance using Pandas, NumPy, and Seaborn for data exploration
- Applied machine learning algorithms like Linear Regression, Decision Trees, and K-Means Clustering to derive insights and predict business outcomes
- Created interactive visualizations and dashboards using **Power BI** and Matplotlib to present findings effectively

PROJECTS

Emergency Care Monitor Dashboard / Power BI, DAX, SQL

- Developed an interactive Power BI dashboard to track emergency care performance metrics.
- Analyzed patient admissions, wait times, and satisfaction scores to optimize hospital operations.
- Utilized DAX for dynamic KPIs and SQL for data transformation and preprocessing.
- Implemented visual analytics to monitor patient demographics, referral trends, and service efficiency.

Hospitality Revenue Analytics Dashboard / Power BI, DAX, SQL

- Developed an interactive Power BI dashboard to track revenue, occupancy, and booking trends for hospitality businesses.
- Utilized DAX to calculate KPIs such as **RevPAR**, **ADR**, and **Occupancy %**, enabling data-driven decision-making.
- Integrated SQL for data preprocessing and transformation to ensure accurate reporting.

Rain Prediction using Weather Data / Python, Pandas, Scikit-Learn

- Built a classification model to predict rainfall using historical weather data.
- Preprocessed and visualized key weather parameters affecting precipitation.
- Assessed model accuracy for reliable weather-dependent decision-making.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (MySQL, PostgreSQL), R

Frameworks: Flask, FastAPI

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Jupyter Notebook, PyCharm, IntelliJ

Libraries & ML Tools: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow/Keras

Data Visualization & Analysis: Excel, **Power BI**

Achievements

- Top 20% Performer** at Vellore Institute of Technology, consistently excelling academically
- Maintained an **SCPA above 9.0** for the last three semesters, demonstrating strong analytical and problem-solving skills.

Certifications

1. Career Essentials in Data Analysis – Microsoft & LinkedIn
2. Accenture: Data Analytics and Visualization Job Simulation
3. HackerRank SQL (Intermediate)