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ANAND PANDEY

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GitHub

LinkedIn

Education

Vellore Institute Of Technology

Bachelor of Technology, Computer Science and Engineering; CGPA: 8.83/10

India

Oct 2022 – Present

Uma Shankar Vidyapeeth

12th Standard, CBSE Board; 97%

India

2021

Uma Shankar Vidyapeeth

10th Standard, CBSE Board; 89%

India

2019

Technical Skills

Programming Languages: Java, SQL , Python , Html ,CSS ,JS

Data Analysis & Visualization: Pandas, NumPy, MySQL

CloudS:AWS, CI/CD, Linux, Identity & Access Management (IAM)

Web & Backend: MERN Stack (MongoDB, Express.js, React, Node.js), REST APIs, JWT Authentication

Frameworks/Tools: Git, Postman, Selenium, Vite

Technical Projects

Credit Card Fraud Analysis | [Demo](#)

Dec 2022 - March 2023

Python, Pandas, NumPy, Matplotlib, Seaborn, Excel

- Analyzed credit card transaction dataset containing thousands of records to compare fraud vs non-fraud activity distribution.
- Performed data cleaning and outlier handling to standardize transaction amount and time features.
- Identified abnormal transaction amount ranges associated with higher fraud occurrence using grouped statistical analysis.
- Conducted time-based analysis to detect peak hours and days with increased fraudulent activity.

HR Employee Attrition Analysis | [Demo](#)

Jul 2023 – Aug 2024

Python, Pandas, NumPy, SQL, Power BI, Excel

- Collected and cleaned HR employee dataset containing 1,400+ records by handling missing values, duplicates, and inconsistent categorical entries using Python and Pandas.
- Performed Exploratory Data Analysis (EDA) to identify major attrition factors including overtime, job role, job satisfaction, and work-life balance.
- Analyzed salary vs attrition correlation and discovered higher churn in low-income and early-career employees.
- Built an interactive Power BI dashboard displaying department-wise attrition, risk segments, and monthly employee trends.

Student Performance Analysis | [Demo](#)

Feb 2025

Python, Pandas, NumPy, Seaborn, Matplotlib, Excel

- Cleaned and preprocessed student dataset containing 1,000+ records by handling missing values and encoding categorical features.
- Evaluated impact of parental education level on student performance across math, reading, and writing subjects.
- Visualized performance trends using Seaborn heatmaps, boxplots, and histograms to highlight key patterns.
- Discovered strong correlation between reading and writing scores and moderate dependency on preparation course completion.

Achievements

Flipkart Grid 7.0 National Semi-Finalist

2025

Finalist – Internal SIH, VIT Bhopal University

2024

Winner – Project Expo (Cyber Physical Systems)

2024

Certifications

GEN AI Using IBM Watsonx – IBM

Data Science Professional – Oracle

AWS Certified Architect Professional – Oracle