

ARNAB MAHADANI

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🌐 [LinkedIn Profile](#)

🐙 [Github—Arnab1876](#)

[Portfolio](#)

Education

Birla Institute of Technology

Bachelor of Technology in Chemical Engineering

Sep. 2023 – Present

Ranchi, Jharkhand

Chinmaya Vidyalyaya

Higher Secondary, Class: 11,12

2020 – 2022

Bokaro, Jharkhand

Technical Skills

Programming Languages: Python

Database: MySQL, PostgreSQL

ML Frameworks: PyTorch.

Data Analysis and Visualization :Pandas, NumPy, Matplotlib, Seaborn

Data Visualization Tools:Power BI

Machine Learning Techniques:Regression, Classification, Clustering

Machine Learning Libraries: Scikit-Learn

Other Skills: Decision-making, Teamwork, Communication, Data Cleaning and Mining.

Relevant Coursework

- | | | | |
|------------------|------------------------|------------------------|-------------------------|
| • Statistics | • Financial Management | • Problem Solving | • Business Intelligence |
| • Advanced Excel | • GIT | • Predictive Modelling | • Predictive Analytics |

Projects

Pizza Sales Data Analytics | *Excel, Power BI*

- Analyzed 45,000+ rows of sales data using SQL, reducing processing time by 60% by creating dashboard in Power BI.
- Applied data cleaning techniques and visualizations to build an interactive dashboard and gain actionable insights.
- Tracked weekly order trends, identifying peak sales hours and days to improve operational efficiency by 90%.

Netflix Data Analysis | *Pandas, Matplotlib*

- Analyzed 10,000+ rows of data ,cleaned the dataset and visualized the watch patterns.
- Applied data cleaning techniques using pandas and visualizations using matplotlib to visualize and analyze the watch patterns , trends of different genres, compared shows watchtime hours.

Exploratory Data Analysis |

Ongoing

- Explored customer churn patterns, focusing on various factors viz. payment methods, contract types, tenures and demographic attributes.
- Visualized trends over customer tenure, supporting the need for personalized retention strategies.

Certifications

Data Analytics and Visualization Job Simulation

Forge Virtual Job Simulation Program, Accenture, North America

Position of Responsibility

College Cultural Fest—Bitotsav

Member

Bit Mesra

- Handled a team of 10-20 volunteers to organize a college cultural fest attended by 300+ participants, ensuring smooth execution and timely completion of all events.

IICHE Club

Workshop Head

Bit Mesra

- Conducted workshops, managed and handled the sessions, collaborated with team members to create basic visualizations.