Rohan Dey

Data Analyst

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Summary

Data Analyst with a strong foundation in SQL, Python, Excel, and Power BI, and knowledge of Machine Learning, C, and C++. Skilled in cleaning, analyzing, and visualizing data to generate actionable insights and support data-driven decision-making. Passionate about applying analytical and technical expertise to collaborate on meaningful projects in fast-paced environments.

Education

Techno International Newtown, *Kolkata* 2021 – 2025
B.Tech in Artificial Intelligence and Machine Learning *CGPA: 7.60*

Barasat P.C.S Govt High School, *Barasat* 2019 – 2021
W.B.C.H.S.E, Science *Percentage: 84.8%*

Technical Skills

Programming Querying: Python, C++, SQL, MySQL
Data Manipulation & Analysis: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy
Data Visualization Tools: Power BI, Advanced MS Excel
Web Technologies: HTML, CSS, JavaScript (Basic), React.js (Basic)
Analytical Abilities: Data Cleaning, Exploratory Data Analysis (EDA), Insight Generation, Descriptive Statistics
Core Subjects: Object-Oriented Programming (OOP), Database Management Systems (DBMS)

Internships

Codsoft Virtual
Data Science Intern *Oct 2023*

Projects

Movie Recommendation System *(Python, NumPy, Pandas, NLTK, Streamlit)* [Link] 2024

- Gathered and cleaned data from multiple sources, including user ratings and movie metadata.
- Implemented content-based filtering approaches to generate personalized recommendations.
- Trained and evaluated models to improve recommendation accuracy.
- Deployed the model using Streamlit with a user-friendly web interface.

Ola Data Analytics *(Python, SQL, Power BI)* [Link] 2024

- Created interactive Power BI dashboards with KPIs to derive actionable insights.
- Utilized SQL for querying and extracting answers to key business questions.
- Applied Python libraries (Pandas, NumPy, Seaborn, Matplotlib) to analyze and visualize data.

Vendor Performance Analysis – Retail Inventory & Sales *(SQL, Python, Power BI)* [Link] 2025

- Optimized SQL ETL pipeline and performed Python-based EDA to evaluate vendor profitability, pricing, and inventory turnover.
- Built Power BI dashboards revealing 65.7% vendor dependency, $2.71M unsold stock, and 72% cost reduction via bulk purchasing.

Certifications & Achievements

- Completed *"Introduction to Data Analytics"* – IBM (Coursera) [Certificate].
- Completed *"Career Essentials in Data Analysis"* – Microsoft & LinkedIn Learning [Certificate].
- Secured 7th position among 21 teams in GDSC intra-college hackathon. (2023)