Soumodwip Mondal

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Professional Summary

Detail-oriented aspiring **Data Analyst** with a solid foundation in data transformation, analysis, and visualization. Proficient in SQL, Excel, and Power BI to streamline workflows, uncover trends, and deliver actionable insights. Passionate about leveraging data to drive informed product decisions and enhance business.

Education

- Jalpaiguri Government Engineering College (JGEC), 2023 – 2027, Bachelors of Technology in Information Technology
  Current GPA: 7.86 (till 4th semester)
- Relevant Coursework: Database Management, Statistics, Algorithms, Data Structures

Skills

- **Data Analytics**: Data Collection, Cleaning, EDA, Visualization, KPI Tracking, Trend Analysis, ETL
- **Programming Languages**: Python, SQL, Java, JavaScript, C, C++
- **Libraries & Tools**: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **BI & Reporting Tools**: Excel (VLOOKUP, Pivot Tables, Charts), Power BI, Tableau
- **Web & Frontend**: HTML, CSS, Tailwind CSS, React.js
- **Databases**: SQL (MySQL, PostgreSQL), Snowflake
- **Others**: Git, MS Office Suite, Web Scraping, Api ,Machine Learning

Experience

Subject Matter Expert (Calculus and Statistics)– Chegg *(Freelance/remote)* *Aug, 2023 to Current*

- Solved 100+ math problems with clear, detailed explanations in Statistic and Calculus.
- Maintained 4.5/5 rating and timely submission rate.

Projects

Credit Card Customer Segmentation and Behaviour Analysis| Python, Scikit-learn(K-mean), Matplotlib, Seaborn Project Link

- Performed exploratory data analysis (EDA) on 8,950 credit card customer records to identify spending and repayment patterns using Python, Pandas, and Seaborn**.**
- **Implemented K-Means clustering with PCA**, segmenting customers into 4 distinct behavioural groups, enabling targeted marketing campaigns with a potential **ROI increase of 15–20%**..
- **Generated actionable business recommendations** to boost retention and reduce default risk, including strategies projected to **lower bad debt exposure by up to 10%**.
- **Designed impactful visualizations** (correlation heatmaps, PCA scatter plots, cluster profile charts) to clearly present findings to stakeholders, improving engagement and adoption of insights.

Shop-Easy Marketing Data Analysis| Python, SQL, Power BI Project Link

- Used **SQL** for data cleaning and **Power BI** to build dashboards, analyzing conversion and engagement trends.
- Conducted sentiment analysis on 1,300+ customer reviews using Python (NLTK) to extract actionable insights.
- Developed targeted content and promotional strategies based on seasonal trends, product performance, and engagement patterns.

Enterprise-Level Data Warehouse & Analytics | PostgreSQL Project Link

- Designed and implemented a **Medallion Architecture** (Bronze, Silver, Gold layers) to process raw data into analytics-ready datasets.
- Built **ETL pipelines** for data extraction, transformation, and loading from multiple sources into PostgreSQL.
- Built SQL-based analytical reports and dashboards, delivering actionable insights to stakeholders and supporting downstream ML applications.

Achievements

- **Winner** of *Hack-Wars 2025*, an inter-college hackathon organized by Jalpaiguri Government Engineering College. Link
- Solved **300+ Data Structures & Algorithms problems** across platforms such as **LeetCode** and **GeeksforGeeks**. Link

Certifications

- Programming for Everybody (Python) Certificate (Coursera)-2023 Certificate Link
- Google Data Analytics Certificate (Coursera)-2024 Certificate Link