Soumyadeep Mondal

Data Analyst, Accenture

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Summary

Data Analyst with experience in application impact analysis, resiliency planning, developing fraud detection model, and dashboard development. Proven ability to automate workflows using **PowerApps** and **Power Automate**, and build interactive dashboards with **Power BI** and **Tableau**. Proficient in **SQL** and data integration across **Operational Data Warehouse** and **Salesforce**. Passionate about translating complex data into clear insights to support business continuity and IT strategy with hands-on experience in data cleaning. Eager to transition into financial reporting and building models using both statistical and machine learning methods.

Technical Proficiency

- **Language/Software:** Python, SQL, Power BI, Tableau, PowerApps, Power Automate, Excel
- **Packages/Framework:** Numpy, Pandas, Matplotlib, Scikit-learn, Streamlit

Knowledge and Skills

- **Modelling Technique:** Logistic Regression, Linear Regression, Decision Trees, Random Forest
- **Analytical Capabilities:** Descriptive analysis, Data wrangling, Data visualization, Root cause analysis
- **Industry Knowledge:** Banking Analytics, Integrated Healthcare Delivery System

Work Experience

Accenture
Data Analyst
Nov'25 - Present

- Built and deployed **Power BI dashboards** integrating data from **SQL-based Operational Data Warehouse**, **Salesforce**, and application platforms, supporting **500+ business-critical applications** and enabling real-time risk monitoring.
- Developed **automated ETL and reporting pipelines** using **SQL**, **Power Automate**, and **PowerApps**, reducing manual reporting effort by **60%** and improving data refresh frequency from weekly to daily.
- Designed **data models and DAX measures** for resiliency scoring, dependency mapping, and compliance reporting, delivering actionable insights to senior leadership for infrastructure investment decisions.

Accenture
System Engineer
Feb'24 – Oct'25

- Led **Application Impact Analysis** for **300+ enterprise applications**, defining resiliency tiers and business criticality mapping used for disaster recovery planning.
- Created **interactive Power BI dashboards** for Cyber Resiliency and Disaster Recovery metrics, improving stakeholder visibility and reducing audit preparation time by **40%**.
- Automated operational workflows using **Power Automate** and **chatbot-based data collection**, eliminating repetitive manual tasks and improving data accuracy.

Domain-Focused Technical Projects

- **Bank Transaction Fraud Detection:** Built an **end-to-end ETL pipeline** to process and analyze bank transaction data for **fraud detection**. Used **Python** and **Airflow** to automate daily ingestion and transformation, stored data in **PostgreSQL**, and applied rule-based logic to flag anomalies. Created a **Streamlit** dashboard to monitor flagged transactions and trends. Deployed on **AWS** to simulate a cloud-based banking environment.
- **Regulatory Reporting Simulator (FR Y-9C & Capital Adequacy Dashboard):** Designed a regulatory reporting simulator to automate key components of the FR Y-9C process for U.S. banks. Utilized **Python** and **SQL** for data validation, reconciliation, and capital adequacy checks. Developed an interactive **Power BI dashboard** to visualize capital ratios, risk-weighted assets, and reporting errors. Demonstrated strong understanding of regulatory compliance, reporting controls, and data-driven

automation in financial reporting.

- **Stock Market Sentiment Analysis:** Built a **LSTM-based predictive model** in **Jupyter Notebook** to analyze sentiment from financial news articles and forecast potential stock price trends. Applied **Natural Language Processing (NLP)** to extract sentiment polarity and used time-series modelling to simulate market behaviour. Deployed visual outputs and interactive insights using a **Streamlit** app to showcase trends and model predictions**.**

Education

Guru Nanak Institute of Technology
B.Tech in Information Technology | CGPA: 8.71

2019 - 2023

Certifications & Specialized Courses

- Microsoft Certified: Power BI Data Analyst Associate **(PL-300)**
- Microsoft Certified: Azure Data Scientist Associate **(DP-100)**
- Microsoft Excel - Excel from Beginner to Advanced | Udemy
- SQL - MySQL for Data Analytics and Business Intelligence | Udemy
- Applied Machine Learning in Python | Coursera
- Data Science in Python | Coursera