



# Soumyadeep Mondal

Data Analyst, Accenture

Pune, Maharashtra | +91 7044507912 | [soumyadeepmondal028@gmail.com](mailto:soumyadeepmondal028@gmail.com) | [GitHub](#)

## Summary

Dynamic and detail-oriented Data Analyst with 1.8+ years of experience in application impact analysis, resiliency planning, 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. Eager to transition into financial reporting and regulatory analytics, leveraging strong data engineering and automation background to support high-stakes compliance operations.

## Technical Proficiency

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

## Knowledge and Skills

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

## Work Experience

### Accenture

#### Data Analyst

Nov'25 - Present

- Developed enterprise-grade **Power BI** analytics solutions by integrating and modelling data from the **Operational Data Warehouse**, **Salesforce**, and application platforms; enhanced risk monitoring, resiliency assessment, and compliance reporting for **care-critical** and **business-critical applications**.
- Automated end-to-end reporting pipelines and data workflows using **SQL**, **Power Automate**, and **PowerApps**, reducing manual processing time, improving data accuracy, and enabling near real-time dashboards for **operational risk** and **disaster recovery programs**.
- Performed advanced data analysis and trend modelling on application dependencies, resiliency tiering, and infrastructure health, translating complex datasets into actionable insights that strengthened **operational resilience** and **informed executive decision-making**.

### Accenture

#### System Engineer

Feb'24 – Oct'25

- Led the **Application Impact Analysis (AIA)** process for business-critical applications, overseeing initiation, revalidation, and resiliency tiering activities to ensure accurate **business capability alignment** and **operational risk visibility**.
- Designed and maintained Power BI dashboards focused on **Cyber Resiliency**, **Disaster/Server Recovery**, **Application Tech Assessment**, providing stakeholders with **interactive visibility** into **application performance** and **infrastructure risks**.
- Implemented workflow automation solutions using **Power Automate** and **chatbot interfaces** to streamline data movement and recurring operational tasks, **reducing manual effort** and **improving process efficiency** across teams.

## Domain-Focused Technical Projects

- **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.

- **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(EC2 + S3)** to simulate a **cloud-based banking environment**.
- **Stock Market Sentiment Analysis:** Built an **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

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### Guru Nanak Institute of Technology

2019 - 2023

B.Tech in Information Technology | CGPA: 8.71

## Certifications & Specialized Courses

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- 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