**Samadrita Ghosh**

**DATA ANALYST / DATA ENGINEER**

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**Summary**

Experienced and detail-oriented Data Engineer, skilled in Python-based ETL Pipelines, cloud technologies (Google Cloud Platform, AWS, Azure), along with Apache Spark and Airflow. Proven in optimizing operational efficiency and reducing costs through innovative solutions. Effective leader in high-performing teams with expertise in Big Data Science, Machine Learning, and Back-end Development. Worked on developing ETL process to load data from multiple data sources. Adept at optimizing data systems and building robust architectures to support business needs.

**Skills**

Python | R programming | Power BI Desktop | NLP | Oracle | SQL | ETL | Tableau | SAP S4 HANA | IBM Cognos | Salesforce | Data Analysis | Data Visualization for insights | O365 | Statistical Methods and Predictive Models | Machine Learning

**Professional Experience**

UK Export Finance, London, United Kingdom May2023 - Present

**Data Insight Analyst**

* Analyzed monthly financial data from IBM Cognos and created visualizations reports using SSIS and SQL to identify performance of products for business strategies.
* Deployed a new dashboard using Power BI to demonstrate monthly operational performance of the organization.
* Optimized fast decision making on UKEF performance by writing detailed insights using Power BI and Salesforce across business-critical areas which helped in resource allocation and risk management.
* Delivered ad-hoc data and reporting request using Microsoft Excel and SQL.

Bridges Outcomes Partnerships, London, United Kingdom April 2022 – October 2022

**Data Scientist**

* Automated manual data processing from CRM by writing R scripts that reduced 17hours of manual intervention per week.
* Tracked business progress against target data using R and Microsoft Excel to review progress and suggest strategies for improvements to the stakeholders.
* Data cleaning and data manipulation using SQL and then using Power BI for data visualization to provide reports to Board Meetings.

TM International Logistics Ltd, London, United Kingdom June 2019 – July 2021

**IT Junior Manager**

* Point of contact in a cross functional team for major Digitalization Project and Data Transformation Project within the organization with multiple stakeholders.
* Administrated SAP S4 HANA in FI, MM, SD and provided user controls.
* Responsible for requirement gathering to create business tracking mechanisms in SharePoint for line-of business departments.
* IT Financial Audit: Co-ordinating with Audit Partners and provide Audit data, analysis and understanding of risks.
* I worked with vendor master data and customer master data using SAP S4 Hana, thus clear understanding in Sales Cycle and Procurement Cycle.

**Education**

Queen Mary University of London, London, United Kingdom 2021 - 2022

**Masters in Big Data Science**

* Subjects: Data Mining, Machine Learning, Applied Statistics, Neural Network and Deep Learning, Natural Language Processing, Digital Media and Social Networks,
* Passed with Distinction (2:1)

Techno India University, Kolkata, India 2015 – 2019

**Bachelors in Technology, Computer Science**

* Cloud Computing, Data Analytics, Artificial Intelligence, Digital Marketing, OOPS, Python, Java, C
* CGPA 8.3-0

**Projects**

* **Stock Market Prediction using Machine Learning and Deep Learning Models**

Analyzed 10years historical data by running it through LSTM deep learning model and ARIMA model using Python to forecast the future of Stock market data.

* **Power BI dashboard creation**

Created Power BI dashboard and hosted it on the workspace for the Business Operation Team to check monthly management report and check financial reporting. Used IBM Cognos as data source and cleaned data using SQL and Microsoft Excel.

* **Business Process Re-engineering**

Worked with multiple stakeholders and cross- functional teams to integrate and migrate all customer- centric business applications from SAP S4HANA to Microsoft Azure Cloud using single sign on.

* **Designing Intranet Portal**

Designed the functionality and user page for intranet portal through market research and employee survey to make a one-stop place for all employee applications and to track engagement.