Elizabeth Joshy

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Education

MSC | UNIVERSITY OF GREENWICH, LONDON, UK | JAN 2022 – JAN 2023

- **Major**: Data Science

BTECH | APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, KERALA, INDIA | AUG 2015 – JUN 2019

- **Major**: Information Technology

Skills

- **Programming** : Python, SQL, R
- **ML & Statistics** : Regression, Classification, Feature Engineering, Model Evaluation
- **Visualization** : Looker Studio, Power BI, Matplotlib, Seaborn, Excel
- **Data Engineering** : Data Cleaning, EDA, ETL, Pipelines

Experience

QUALITY SPECIALIST | AMAZON | JUL 2019 – DEC 2021

- Analyzed operational datasets daily to detect errors, inconsistencies, and quality deviations across thousands of records.
- Improved accuracy of critical delivery and operational metrics by identifying root causes and recommending corrective steps.
- Streamlined quality checks through structured documentation and pattern identification, reducing recurring errors.
- Gained strong exposure to data validation, anomaly detection, dashboards, and structured reporting.

Projects

CREDIT CARD APPLICATION APPROVAL ANALYSIS

- **Tools**: Python, Pandas, Scikit-Learn, Matplotlib
- Cleaned and processed 300k+ application records to uncover patterns influencing approval decisions.
- Engineered features and tested multiple ML models, increasing prediction accuracy by ~12% compared to baseline.
- Built a reusable end-to-end ML pipeline that automates cleaning, modeling, and reporting for similar datasets.

E-COMMERCE CART ABANDONMENT ANALYSIS

- **Tools**: Looker Studio, SQL, Python
- Analyzed 5k e-commerce sessions to identify cart drop-off patterns.
- Built an interactive dashboard to visualize funnel performance and abandonment trends.