MOHAMED YUNUS JALALUDEEN

DATA ANALYST

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PROFILE SUMMARY

Results-driven and detail-oriented data professional with expertise in Python, SQL, Power BI, and Excel, and a strong foundation in machine learning and statistical analysis. Skilled in collecting, cleaning, and analyzing complex datasets, building interactive dashboards, and delivering actionable insights to support strategic decision-making. Experienced in developing and optimizing machine learning models, including data preprocessing and feature engineering. Adept at communicating insights to both technical and non-technical stakeholders and collaborating effectively in fast-paced, cross-functional environments.

EDUCATION

University of Strathclyde, Glasgow, UK
MASTER OF SCIENCE IN ADVANCED COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE

B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India
BACHELOROFCOMPUTER APPLICATION IN CLOUD TECHNOLOGY AND INFORMATION SECURITY

TECHNICAL SKILL

- Exploratory Data Analysis (EDA)
- Python/SQL, Flask (Pandas, NumPy, Scikit-learn, TensorFlow)
- Machine Learning
- Statistical Analysis / Predictive Modeling
- Skills Time Management & Adaptability
- Financial Derivatives
- Spreadsheet Skills
- Data Visualization Tools (Power BI)
- Algorithm Development
- AI Prompt Writing

PROJECTS

AI-Powered Banking Chatbot using NLP

- Designed and developed an AI-based chatbot to handle real-time banking interactions, reducing customer query response times by over 40%.
- Built a rule-based conversation flow and integrated the system with a web interface to improve user accessibility and support efficiency.

Aesthetic Estimation/Enhancement for Photographs using Mobile Devices

- Developed a hybrid deep learning model combining seven CNNs to improve image aesthetic assessment using AVA and AADB datasets.
- Built and deployed a Flask-based web app with TensorFlow and Tailwind CSS for real-time image aesthetic scoring on mobile devices.

RELEVANT EXPERIENCE

GenAI Data Analytics Simulation – Tata Group (Forage)

- Conducted exploratory data analysis (EDA) and risk profiling on financial datasets
- Developed AI/ML models to predict customer delinquency and credit risk
- Performed data cleaning, preprocessing, and feature engineering
- Created data visualizations and business reports for decision-making
- Designed an AI-driven collections strategy to improve recovery outcomes
- Applied data storytelling techniques to communicate insights effectively

Quantitative Research Simulation – JPMorgan Chase & Co. (Forage)

- Analyzed financial and commodity price data to identify trends and risks
- Built pricing models for commodity storage contracts
- Conducted credit risk analysis using FICO score segmentation
- Applied probability of default (PD) modeling techniques
- Utilized Python for data analysis and financial modeling tasks

Data Analytics Job Simulation – Deloitte (Forage)

- Performed data cleaning, transformation, and analysis using Python
- Applied forensic data analytics techniques to identify anomalies
- Generated insights and reports to support business decision-making
- Identified patterns and trends in structured datasets
- Improved problem-solving skills through real-world client scenarios

CERTIFICATIONS

- AI Prompt Engineering – One Million Prompters Initiative (Launched by Dubai Government)
- Claude 101 Certification – AI Concepts & Applications | Anthropic
- Certified Python Programmer
- Ethical Hacking and Cyber Security Workshop
- Cyber Security Awareness Course for Students Learn Ethical Hacking from Scratch
- Deep Learning and NLP
- Deep Learning and Computer Vision

LANGUAGES

- English (Fluent)
- Tamil (Proficient)