

Dadul Rishan Maliyekkel Meethel

Data Analyst

+44 7901803603 — [✉ dadulrishan@gmail.com](mailto:dadulrishan@gmail.com) — [🌐 LinkedIn](#) — [👤 Portfolio](#) — [🔗 GitHub](#)

SUMMARY

Google-certified Data Analyst with a Master's in Computer Science (UK) and expertise in data visualization, AI, and insights generation. Skilled in SQL, Python, Power BI, Excel, and Google Cloud (BigQuery, Looker) to enhance business decision-making. Recently completed an AI-driven project on emotion recognition, applying deep learning to analyze human responses. Passionate about transforming data into actionable insights and leveraging AI-driven analytics and Power BI dashboards to drive data-driven strategies and operational efficiency.

EDUCATION

- **Birmingham City University** Birmingham, UK
Master of Science in Computer Science (Distinction) Jan 2024 – Jan 2025
- **Calicut University** Kerala, India
Bachelor of Science in Computer Science June 2019 – June 2022

EXPERIENCE

Real Information Technology Solutions (Software Service Engineer) June 2023 – Dec 2023
UAE (Remote)

- Managed SHADE, a hospital management application in the UAE, ensuring data flow, system efficiency, and compliance. Supported 100+ hospitals across 3 Sherif regions, improving service reliability and effectiveness.
- Optimized data handling and reporting within SHADE, improving data accuracy by 25%, enhancing patient record accessibility by 40%, and streamlining operations for 50+ healthcare facilities.
- Analyzed system performance metrics and resolved critical operational issues, reducing processing errors by 30% and improving turnaround times, ensuring 99% system uptime.
- Collaborated with cross-functional teams, healthcare professionals, and IT specialists to interpret and refine data insights, enabling a 20% improvement in decision-making efficiency.
- Developed data-driven solutions for hospital management by identifying trends, optimizing workflows, and automating reporting, leading to a 35% reduction in effort and enhancing resource efficiency by 25%.

Nexus Technologies (Software Developer) Aug 2022 – Jan 2023
Kerala, India

- Designed, developed, and optimized relational databases, implementing efficient data structures and indexing, increasing data accessibility by 40% and enhancing system performance across 10+ enterprise projects.
- Created interactive wireframes and detailed data flow diagrams to streamline development processes, improving cross-functional team collaboration by 25% and ensuring seamless integration with project objectives.
- Engineered scalable data-driven applications by integrating backend services with secure visualization tools, improving data accuracy, increasing user engagement by 30%, and reducing decision-making time by 20%.

PROJECTS

Loan Analytics and Reporting System (Looker Enterprise, BigQuery, SQL) Nov 2024 – Jan 2025
Google project - Cognizant

- Designed a performance-driven dashboard in Looker Enterprise, enabling stakeholders to monitor portfolio health, assess loan risk trends, and optimize financial decision-making.
- Transformed large-scale financial datasets in BigQuery using SQL and Python, delivering precise reporting that improved operational transparency, regulatory compliance, and data accuracy for business growth.
- Automated data workflows and reporting schedules using Python, reducing manual intervention by 40% and ensuring real-time insights for improved business efficiency, cost management, and financial forecasting.

AI-Enhanced Emotion Recognition System (VGG16 (CNN), Python, TensorFlow) Nov 2024 – Jan 2025
Masters Dissertation

- Preprocessed and augmented the FER-2013 dataset by applying normalization, data balancing, and augmentation techniques, reducing bias and improving emotion classification accuracy by 15%.
- Developed an emotion recognition system using a pre-trained VGG16 model, incorporating dropout layers and adaptive learning rates, achieving 80% accuracy with hyperparameter tuning and cross-validation.

- Designed interactive visualizations with Matplotlib and Seaborn to analyze dataset distributions, misclassification patterns, and model performance trends, enabling data-driven optimization for better insights.
- Developed a scalable AI pipeline for real-time emotion detection, integrating deep learning with cloud deployment for better audience insights.

CERTIFICATIONS

- **Google Cloud Data Analytics Certificate** Nov 2024 – Jan 2025

A comprehensive certification demonstrating expertise in Google Cloud tools like BigQuery and Looker Enterprise to collect, process, and visualize datasets. Mastered advanced SQL queries, data transformation, and dashboard creation, showcasing the ability to deliver insights for data-driven decision-making.

- **Full Stack Python Developer** Oct 2022 – Jan 2023

Earned Quest Innovative Solutions certification (2023) after a 4-month intensive course covering frontend and backend development, database management, and full-stack technologies. Gained hands-on experience with Python, MongoDB, HTML, CSS, JavaScript, Bootstrap, and fundamental concepts of React and Angular.

DATA ANALYTICAL SKILLS

- **Data Processing & Analysis:** Cleaning, filtering, and structuring raw data to identify trends, detect anomalies, and prepare datasets for analysis.
- **Data Visualization & Reporting:** Creating interactive dashboards, reports, and visual summaries using Power BI, Tableau, and Looker Studio for clear data presentation.
- **Statistical Analysis & Insights:** Applying basic statistical methods, calculating averages and correlations, and interpreting data to support business decisions.
- **Business Intelligence & Decision Making:** Tracking key performance indicators (KPIs), identifying customer behavior trends, and generating insights to improve strategies.
- **Cloud Data Tools:** Working with Google Cloud (BigQuery, Looker, Data Studio) to manage large datasets, run SQL queries, and automate reporting.

PROGRAMMING SKILLS

- **Languages:** Python (Pandas, NumPy, TensorFlow, Scikit-learn), SQL, HTML, CSS, JavaScript.
- **Tools:** Excel (VLOOKUP, IF, INDEX-MATCH), Git, VS Code, Jupyter Notebook, Google Colab.
- **Software Development:** Backend scripting, API integration, and data pipeline automation for scalable data processing.