

Mohamed Hussein

Email: mohahar2013@gmail.com **Phone:** +252 634801052

LinkedIn: Mohamed Hussein

Portfolio: <https://mohammedhussein22.github.io/ds-labs/#portfolio>

Professional Summary

Mohamed Hussein a detail-oriented and results-driven Data Scientist with over two years of experience in data analysis, machine learning, and statistical modelling. Specialized in transforming raw data into valuable insights that support data-driven decision-making across various domains. With a robust technical skill set including Python, R, and advanced machine learning frameworks, he has successfully delivered projects involving predictive modelling, deep learning, and time series forecasting.

I have a proven track record of applying data science techniques to real-world problems through hands-on work in data preprocessing, feature engineering, and model development. with Possessed strong communication skills and adept at presenting complex analytical findings to both technical and non-technical stakeholders. I'm committed to continuous learning and passionate about leveraging data to optimise processes, improve performance, and create strategic value for organisations.

Technical Skills

- Programming Languages: Python, R
- Statistical Applications: Spss, Stata, Minitab, Excel.
- Machine Learning: Supervised and Unsupervised Learning, Natural Language Processing, Deep Learning, Time Series Forecasting
- Data Visualisation Tools: Matplotlib, Seaborn, Power BI, Tableau
- Big Data and Cloud Technologies: Apache Spark, Hadoop, Google Cloud Platform
- Frameworks and Libraries: TensorFlow, Scikit-learn

Projects

Diamond Price Prediction

Developed an XGBoost regression model to predict diamond prices based on key attributes, achieving 98% accuracy.

Conducted extensive exploratory data analysis using Pandas, NumPy, and Matplotlib to uncover data patterns.

Applied feature engineering techniques to optimise model performance and improve predictive accuracy.

Visualised relationships among variables such as carat, cut, clarity, and colour using advanced data visualisation.

British Airways Data Science Job Simulation on Forage - March 2025

Completed a simulation focusing on how data science is a critical component of British Airways' success, Scraped and analyzed customer review data to uncover findings, built a predictive model to understand factors that influence buying behavior.

Commonwealth Bank Introduction to Data Science Job Simulation on Forage - March 2025

Completed a job simulation involving Data Management skills for Commonwealth Bank's Data Science team, Demonstrated proficiency in creating data engineering pipelines to aggregate and extract valuable insights from datasets, optimizing data-driven decision-making, Acquired skills in anonymizing personal data within datasets, ensuring compliance with data privacy regulations, Proposed effective data analysis approaches, particularly related to social media, and demonstrated the ability to design well-structured databases for efficient information management.

Road Accidents Data Analysis and Prediction

Built a Random Forest classification model achieving 85% accuracy in predicting accident likelihood.

Conducted detailed data cleaning and feature selection to improve data quality and model performance.

Extracted actionable insights from exploratory data analysis to inform safety and policy strategies.

Education

Bachelor of Science in Statistics and Planning
Benadir University

Certifications

- Google Data Analytics Professional Certificate
- IBM Data Science Professional Certificate
- Complete Data Science Bootcamp (2025)