

Shivan Ramharry

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Summary

Computer Science graduate from the University of York (Ranked 12th in UK University Rankings) with a specialisation in data analysis and machine learning. Proficient in Python, SQL, Tableau, and libraries like Pandas, Scikit-learn, etc. to clean, analyse, model and visualise data. Experienced in developing deep learning models (RoBERTa, CNNs) for NLP and image classification. Seeking to apply strong analytical and technical skills to a data analyst or data science role.

Work Experience

University of York Vietnamese Society | York, UK | 11/2024 - 06/2025

Marketing Officer

- Managed collaborations with sponsors and societies and developed a WordPress website, enhancing the society's brand and member engagement.

Supertrack | Ballito, South Africa | 11/2021 - 08/2024

Freelance Developer

- Application Development: Developed a custom order and sales tracker using Java and SQL to digitise and increase the business's efficiency.
- Improved Data Integrity: The system eliminated manual entry errors and improved data accuracy for reporting, providing a reliable source for business analysis.
- Website Management: Helped maintain and update the company's website to boost customer engagement and SEO.

Education

B.Eng. (Hons) in Computer Science

University of York | York, United Kingdom | 06/2025

Key Modules:

- Machine Learning & Optimisation
- DATA: Introduction to Data Science
- Intelligent Systems: Probabilistic & Deep Learning
- Engineering 1: Software & Systems Engineering

- Qualitative Approaches to Investigating UX
- Software 2: Object-Oriented Data Structures & Algorithms
- Human-Computer Interaction 1: Introduction to User Centred Design
- Engineering 2: Automated Software Engineering
- Autonomous Robotic Systems Engineering

Certifications

Google Advanced Data Analytics Professional Certificate | Google

- Completed an advanced, hands-on program focused on in-demand data analysis skills.
- Mastered statistical analysis, predictive modelling, and data visualisation using Python, SQL, and Tableau.
- Gained practical experience with machine learning, regression, and the full data analysis life cycle.

Technical Skills

Data Science & ML: Computer Vision (CNNs), Data Cleaning, Data Visualisation, Deep Learning (TensorFlow/PyTorch), Jupyter Notebook, Machine Learning, NLP (RoBERTa), Python (Pandas, NumPy, Scikit-learn, Matplotlib), SQL, Statistical Analysis, Tableau

Languages: HTML, Java, Python, SQL

Developer Tools: Agile Methodologies, APIs, Git

Projects

Google ADA Capstone: Salifort Motors HR Analysis | [[GitHub Link](#)]

- Developed a predictive machine learning model in a Jupyter Notebook to identify key factors driving employee attrition at Salifort Motors.
- Conducted comprehensive data cleaning, feature engineering, and exploratory data analysis (EDA) on the company's HR dataset to prepare it for modelling.
- Built and evaluated a classification model (Random Forest) to provide actionable insights for improving employee retention.

Deep Multitask Learning for News Content Disagreement Detection and Emotion Recognition (Dissertation) | [[GitHub Link](#)]

- Developed an advanced deep learning model using RoBERTa to simultaneously detect conflicting perspectives and analyse emotional sentiment in news articles.
- Applied complex Natural Language Processing (NLP) and multitask learning techniques, demonstrating the ability to handle nuanced and unstructured text data.

Bank Customer Data Analysis | [[GitHub Link](#)]

- Engineered a data analysis pipeline using Python and Jupyter Notebook to identify key drivers of customer churn and inform risk assessment strategies.
- Performed data cleaning, normalisation, and exploratory data analysis (EDA) on a raw banking dataset to prepare it for modelling.
- Developed and evaluated predictive models with Scikit-learn, providing actionable insights that could increase customer retention.

Image Classification with Deep CNN | [[GitHub Link](#)]

- Designed, trained, and fine-tuned a deep Convolutional Neural Network (CNN) to classify images from the Flowers-102 dataset with high accuracy.
- Implemented data augmentation techniques to improve model generalisation and prevent overfitting, a critical practice in machine learning.