

# FRANKLYN OLIHA

Data Scientist | Machine Learning Engineer

Manchester, United Kingdom | British Citizen | SC Cleared  
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GitHub | Portfolio

## PROFESSIONAL SUMMARY

SC-cleared Data Scientist and Machine Learning Engineer with an MSc (Distinction) and 4+ years of hands-on experience delivering production-ready ML, NLP, and automation systems across government, NGO, and commercial environments. Proven in BERT-based NLP, predictive modelling, end-to-end ML pipelines, and dashboard deployment.

## CORE TECHNICAL SKILLS

**Programming:** Python, SQL, T-SQL, R, Java, JavaScript, Bash

**ML & AI:** PyTorch, Scikit-learn, TensorFlow, BERT, NLP, LLMs, Multi-label Classification

**Data & Analytics:** Pandas, NumPy, Feature Engineering, Power BI

**Automation & Deployment:** n8n, Docker, Streamlit, Gradio, Flask, Django, Azure

**Methods:** CRISP-DM, Agile/Scrum, SDLC

## PROFESSIONAL EXPERIENCE

### **Machine Learning Engineer – UK Civil Service (SC Cleared)**

Delivered ML and NLP solutions supporting secure public-sector programmes. Built predictive models, automated data workflows, and communicated insights to non-technical stakeholders.

### **Machine Learning Engineer (Contract) – STOP THE TRAFFIK**

Designed and trained a BERT-based multi-label NLP model detecting 15 coercion indicators, achieving ~85% F1-score. Deployed via Gradio, reducing analyst review time by 40%+.

## EDUCATION

**MSc Data Science & Machine Learning (Distinction)** – University of Salford

**BEng (Hons) Software Engineering (First Class)** – University of Bolton