

Complete Portfolio Guide with About & RAG Policy

This document combines navigation instructions, Ibrahim's About Me profile, technical skills, work experience, education, hobbies, and the detailed project-by-project RAG answering policies. It is designed as a single authoritative source for chatbot ingestion.

About Ibrahim

Name: Ibrahim Huseyin Oksuzoglu

Location: London, UK

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Portfolio: ibrahimoksuzoglu.com

Professional Summary

Ibrahim is a Data Analyst with a First-Class Honours BSc in Mathematics from the University of Surrey. He has strong technical expertise in Python, SQL, Excel, Power BI, VBA, MATLAB, and R. He is experienced in applying statistical methods and machine learning techniques to real-world datasets across both personal projects and professional roles. Skilled in predictive modelling, clustering, sentiment analysis, and data visualization, Ibrahim has a strong mathematical foundation and proven ability to solve complex analytical problems.

Technical Skills

Programming & Tools: Python, SQL, Excel, Power BI, VBA, MATLAB, R

Machine Learning: Regression, Clustering (K-Means), TensorFlow, Sentiment Analysis (RoBERTa, VADER)

Data Visualization: Power BI Dashboards, Matplotlib, Seaborn

Other Tools: Git, Jupyter Notebooks

Work Experience

- Data Analyst — Marks and Spencer (Jul 2024 – Present): Delivered data-driven insights, statistical analysis, and reporting.
- Data Analyst — Lloyds Banking Group (Mar 2023 – Jul 2024): Conducted analysis and reporting on banking operations and customer behaviour.
- AML Analyst — Lloyds Banking Group (Feb 2022 – Mar 2023): Performed Anti-Money Laundering investigations using data-driven methods.

Education

- University of Surrey — BSc Mathematics, First-Class Honours (2018–2021). Modules included: General Linear Models, Experimental Design, Dynamic Asset Pricing Theory, Statistical Methods for Financial Applications, Numerical and Computational Methods, Real Analysis, Quantum Mechanics.
- Southfields Academy — A-Levels in Mathematics, Further Mathematics, Economics.

Hobbies & Interests

- Playing and watching football (Arsenal fan).
- Playing video games.
- Continuous learning, particularly in data science and analytics.

Site Anchors / Sections

- Home (#home) — includes 'View CV' button that opens Ibrahim Oksuzoglu CV.pdf.
- Projects (#projects) — two tabs: Machine Learning, Dashboards.
- Skills (#skills) — lists technical and soft skills.
- Contact (#contact) — Formspree form; email: ibrahimhuseyin23@gmail.com; location: London, UK.

Global RAG Answering Policy

- 1) Detect project intent: If the user mentions a specific project name or slug (see mapping below), answer using that project's report if it exists.
- 2) Retrieval: Load the project report PDF, chunk ~800–1200 chars with 15–20% overlap, retrieve top 4 relevant chunks using cosine similarity.
- 3) Synthesis: Write a concise answer grounded in retrieved chunks; mention key aims, data, methods, and findings.
- 4) CTA line: If a report exists, always end with: "For more info, read the project report here: ".
- 5) If no report exists, answer from this guide and the project's live demo page and end with: "For more info, try the live demo: ".
- 6) Keep answers scoped to Ibrahim's work. If off-topic, gently redirect to relevant projects.

Projects → Machine Learning

Learning Language Model (slug: learning-language-model)

Summary: Custom LLM that answers using provided context (RAG style).

Demo: <https://agentchatbot-kqxtsn6ngqzam3hsqo3bds.streamlit.app/>

Report: documents/Llm Project Report.pdf

RAG policy: Retrieve from report; answer concisely; end with 'For more info, read the project report here: documents/Llm Project Report.pdf'.

FPL Optimiser (slug: fpl-optimiser)

Summary: Predicts FPL player points; optimises captain, XI, and transfers under FPL rules.

Demo: <https://fploptimiser-bcwqgawjkb2446ahkwdbet.streamlit.app/>

Report: documents/Optimiser Project Report.pdf

RAG policy: Retrieve from report; answer concisely; end with 'For more info, read the project report here: documents/Optimiser Project Report.pdf'.

Football Clustering (slug: football-clustering)

Summary: K-Means to group teams/players by per 90 features; PCA visualisation.

Demo: <https://appclustering-myrbfbrv3khmwbp9ktez.streamlit.app/>

Report: documents/Clustering Project Report.pdf

RAG policy: Retrieve from report; answer concisely; end with 'For more info, read the project report here: documents/Clustering Project Report.pdf'.

Sentiment Analysis (slug: sentiment-analysis)

Summary: Movie review sentiment classification using classic ML and NLP.

Demo: <https://review-sentiment-analysis-with-ml.streamlit.app/>

Report: (no report)

RAG policy: No report; answer from guide and demo; end with 'For more info, try the live demo: <https://review-sentiment-analysis-with-ml.streamlit.app/>'.

Predicting Football Results (slug: predicting-football-results)

Summary: DL/ML to predict home/away goals; aggregate to league table.

Demo: <https://appfootballprediction-rpjnymuma2una2i2vsnrjr.streamlit.app/>

Report: documents/Match predictor Project Report.pdf

RAG policy: Retrieve from report; answer concisely; end with 'For more info, read the project report here: documents/Match predictor Project Report.pdf'.

Projects → Dashboards

Video Games (slug: video-games-dashboard)

Summary: Interactive dashboard of games played.

Demo: <https://videogamedashboard-zr8s6hyfnncr5tjb4edzou.streamlit.app/>

RAG policy: No project report; answer from guide and demo; end with 'For more info, try the live demo: <https://videogamedashboard-zr8s6hyfnncr5tjb4edzou.streamlit.app/>'.

Match Shot Maps (slug: match-shot-maps)

Summary: Premier League shot maps visual exploration.

Demo: <https://matchdashboard-jrwtvhbf37skhptlfrzdxg.streamlit.app/>

RAG policy: No project report; answer from guide and demo; end with 'For more info, try the live demo: <https://matchdashboard-jrwtvhbf37skhptlfrzdxg.streamlit.app/>'.

Player Comparison (slug: player-comparison)

Summary: Compare player performance visually.

Demo: <https://playercomparisondashboard-etfr73ibh3uukutgnsiodw.streamlit.app/>

RAG policy: No project report; answer from guide and demo; end with 'For more info, try the live demo: <https://playercomparisondashboard-etfr73ibh3uukutgnsiodw.streamlit.app/>'.

This document unifies About, Skills, Work, Education, and full RAG project instructions into one file for chatbot ingestion.