SYED SAMEER FAISAL

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Education

University College London September 2024 – July 2027
Bachelor of Science in Data Science - First Class Honours (90%) *London, United Kingdom*
Achievements: Ranked #1 in degree cohort, 100% tuition scholarship, Vice President UCL Data Science

Nixor College June 2021 – July 2023
Alevels - 5A* (Mathematics, Further Mathematics, Chemistry, Physics, Computer Science) *Karachi, Pakistan*
Achievements: Top 0.0001% in country, 100% merit scholarship, Class Valedictorian, Further Math Teacher

Work Experience

HeadStart Global Nov 2024 – Dec 2024
Data Analyst Intern *London, United Kingdom*
- Conducted market research by analysing over 40 data providers across consumer behaviour, social media trends, and industry reports, assessing their offerings and partnership potential based on data quality and pricing.
- Developed a strategic partnership pitch for the top 3 data providers, including a detailed business case and pitch deck, effectively communicating value propositions that enhance service and expand market reach for the SaaS platform.

WeMakeApp Limited Dec 2023 – Jan 2024
Software Engineering Intern *Hong Kong SAR*
- Collaborated closely with product designers to deliver a visually engaging UI, enhancing responsiveness by 25% and leveraging Figma to accelerate workflow and reduce iteration cycles by 20%.
- Adopted best practices in software development, participated in code review sessions reducing defects by 15%, wrote unit tests for reliability, and maintained a clean Git commit history.

SudoStudy June 2023 – July 2023
Data Intern *Geneva, Switzerland*
- Organized over 3,000 practice questions by subject, topic, and difficulty, reducing content retrieval time by 30% and increasing daily active users by 15% through intuitive topic tagging and filtering.
- Applied AI to generate 200+ standardized A-level questions, expanding the question bank by 35% and significantly increasing platform popularity.

Projects

Automated Insight Engine for Support Data | *CrewAI, LangChain* May 2025 – June 2025
- Engineered a fully automated multi-agent pipeline using CrewAI to classify support tickets, generate tailored resolution suggestions, and compile stakeholder-ready reports without manual intervention.
- Streamlined data-to-decision workflow by auto-generating insightful charts and summaries, enhancing operational visibility and accelerating resolution processes by 40%.

Brain Tumour Classification with Custom CNN | *PyTorch, CNN, TorchVision, Scikit-learn* May 2025 - June 2025
- Built a deep learning pipeline in PyTorch to categorize brain MRI images streamlining early diagnostic workflows.
- Engineered a custom CNN for medical imaging, achieving 96%+ test accuracy and outperforming standard baselines.

Semantic Book Recommender with LLMs | *LangChain, Transformers, Gradio, ChromaDB* April 2025 - May 2025
- Built a semantic book recommendation system using LLMs, incorporating vector search (ChromaDB), zero-shot classification, and emotion-based sentiment analysis to filter books by tone and genre.
- Deployed a Gradio web app for interactive recommendations from natural language queries, integrating LangChain, Hugging Face Transformers, and OpenAI API.

Customer Analytics (Preparing Data for Modelling) | *Python, Pandas, Data Optimization* July 2024 – Aug 2024
- Optimized a large customer dataset of 19,158 entries for Training Data Ltd., reducing memory usage from over 2.0 MB to 69.5 KB (a 96.5% decrease).
- Utilized categorical encoding and filtering techniques to prepare efficient data for machine learning modelling.

Technical Skills

Languages: Python, R, C++, SQL, JavaScript, TypeScript
Tools & Libraries: Pandas, Numpy, Seaborn, Scikit-Learn, Pytorch, HuggingFace, LangChain, CrewAI, OpenCV
Web Development & Collaboration: HTML, CSS, React, Tailwind, NodeJS, REST APIs, Github, Figma, Notion