

CAMERON BELL

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PROFESSIONAL SUMMARY

AI Engineer (MSc Computer Science & Business Technology) with demonstrated experience building and optimizing LLM-powered systems, retrieval pipelines, and AI applications. Skilled in prompt engineering, RAG design, and NLP pipeline optimization, and hands-on with LangChain, FastAPI, Pinecone, and cloud deployment

EDUCATION

IE SCHOOL OF SCIENCE AND TECHNOLOGY

MADRID, SPAIN

Masters in Computer Science and Business Technology

SEP 2024 - JUL 2025

- Leadership: Class Representative, Community Engagement Rep, Tech & Innovation Club Events Officer (2025)
- Modules: Generative AI, NLP, Deep Learning, MLOps, Machine Learning & Artificial Intelligence, Cloud Foundations

UNIVERSITY OF BRISTOL

BRISTOL, UNITED KINGDOM

Bachelor of Science, Management

SEP 2017 - JUL 2020

- Modules: Project Management, Consultancy Project, The Digital Economy, Strategic Finance

SKILLS

Languages and Data tools: Python (NumPy, Pandas, scikit-learn) · JavaScript / TypeScript · SQL

AI / ML / LLM: TensorFlow · PyTorch · HuggingFace · LangChain · Prompt engineering & Tuning · RAG / Embeddings · OpenAI

Backend + API/Web: FastAPI · Flask · React · Node.js

Database + Vector / Storage: PostgreSQL · BigQuery · Supabase · Pinecone · Redis

MLOps, Deployment & Cloud: Docker · CI/CD / GitHub Actions · AWS · GCP · Azure · Weights and Biases (W&B)

MAJOR PROJECTS

Corporate Project – BHSI Risk Classification System (*Berkshire Hathaway Specialty Insurance*)

APR 2025 – JUL 2025

- Led development in a 6-member cross-functional team to architect and deploy a prototype AI risk scoring platform for D&O renewals, using LangChain + RAG + embeddings (768-dim), achieving ~80% alignment with underwriter decisions
- Built a full-stack platform (FastAPI + React.js + GCP) to automate entity lookup, ingest news/filings, and perform hybrid rule + LLM classification, reducing manual review time across 50+ companies
- Designed and implemented CI/CD pipelines (GitHub Actions), containerized services, structured logging, and error handling to ensure observability, reliability, and maintainability in deployment stages

Natural Language Processing – Review Analyzer

APR 2025 – JUN 2025

- Developed a multilingual NLP pipeline combining transformers (RoBERTa, BERT), fallback logic and GPT summaries for multilingual sentiment and topic extraction
- Implemented semantic keywording via KeyBERT + LaBSE embeddings, surfacing 19 topics across English/Spanish

MLOps - Diabetes Readmission Prediction (Healthcare)

APR 2025 – JUN 2025

- Delivered a cost-sensitive Random Forest model for diabetes readmission (89.9% accuracy, 57.6% recall), improving <30-day detection by ~229% over baseline models
- Developed a 9-step modular MLOps pipeline using MLflow, Hydra, and Weights & Biases (38+ runs) for reproducible training, monitoring, and deployment

Capstone Project – Cloud Migration & Cost Analysis Tool

JAN 2025 – MAR 2025

- Engineered a modular microservice framework (FastAPI + Supabase + Pinecone) to deliver AI-driven cloud migration guidance and predictive cost analysis for SMEs
- Created a recommendation engine leveraging LangChain + OpenAI embeddings for semantic vector retrieval, delivering migration advice adapted to workload profiles

PROFESSIONAL EXPERIENCE

UNITED UTILITIES (*WATER AND WASTEWATER SERVICES*)

WARRINGTON, UNITED KINGDOM

Innovation Intern

AUG 2022 – SEP 2022

- Standardised 27 SOP/process assets with reusable templates, improving documentation quality and onboarding efficiency

HARGREAVES LANSDOWN (*WEALTH MANAGEMENT & FINANCIAL SERVICES*)

BRISTOL, UNITED KINGDOM

Financial Advisory Intern

JUN 2022 – JUL 2022

- Streamlined advisory review workflows (ISA, SIPP, funds, shares), improving adviser efficiency and data accuracy
- Designed and presented an intern-led survey to the Executive Committee, shaping HL's employer branding strategy