

Yusuf Husain Ahmed

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PROFESSIONAL EXPERIENCE

Full-time, RAINCODE W.L.L

- Developed production ready backend systems for a Retrieval-Augmented Generation (RAG) chatbot with Agentic tool calling designed for core banking systems in Langchain and Azure deployment.
- Created a document intelligence pipeline in azure and python to analyze and detect fraudulent bank statements and salary slips for loan applications.
- Prepared data trained and deployed machine learning models on azure for fraud transaction detection.
- Developed and deployed Know Your Customer (KYC) system to track behavioral changes across customers
- Built RESTful microservices using Spring Boot with Spring Security and JWT authentication for secure API access across modules

08/2025 – Present
Manama, Bahrain

Intern, ARRAY INNOVATION

- Working alongside other developers to build backend systems for a Retrieval-Augmented Generation (RAG) chatbot, optimizing response accuracy and retrieval efficiency.
- Reviewing pull requests to implement clean code practices, scalability, and maintainability across the codebase.
- Developing and maintaining automated tests in Java, improving feature reliability and reducing manual QA overhead.

05/2025 – 08/2025
Manama, Bahrain

Intern, Nasser Al Research & Development Centre (NAIRDC)

- Developed scalable Django backend models and CRUD APIs for a multilingual chatbot knowledge base.
- Integrated ChromaDB for vector similarity search and built embedding pipelines for Arabic & English.
- Implemented language detection workflows, debouncing for performance, and conducted API testing with Postman.

02/2025 – 05/2025
Manama, Bahrain

Technical Services Trainee, Gulf Air

- Configured and deployed new laptops into the corporate domain following security protocols.
- Participated in end-to-end Oracle Database Server setup, gaining hands-on enterprise IT operations experience.

2022 – 2022

Muharraq, Bahrain

EDUCATION

BSC ICT (Programming), Bahrain Polytechnic

2020 – 2025

- Final Year Project: Full stack web AI-driven applicant tracking system using Python & Large language models (LLMs).

International Baccalaureate (IB) Diploma, Arabian Pearl Gulf School

05/2020

Graduated May 2020

TECHNICAL SKILLS

Languages

Python, Java, C#, JavaScript, Swift, HTML, CSS, SQL

Databases & Tools

PostgreSQL, ChromaDB, MongoDB, Firebase, Postman, Git, Linux CLI, AWS, Azure devops, docker

Web & Backend

Django, REST APIs, Next.js, React.js, FastAPI, Springboot

AI/ML & NLP

Embedding models, vector similarity, multilingual pipelines, Langchain, LLamaindex, Pandas, Numpy, Azure Machine learning, RAG

SOFT SKILLS & LANGUAGES

Collaboration

Problem-solving

Time Management

English

Fluent in English & Arabic

Arabic