

UBAITH SHERIF
Coimbatore, Tamil Nadu
+91-63859 46906 | ubaithsherif22@gmail.com | [GitHub](#) | [Portfolio](#) | [Linkedin](#)

PROFESSIONAL SUMMARY

AI Engineer with hands-on experience building production-ready AI applications using Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), AI agents, and computer vision. Skilled in developing scalable backend services with Python, FastAPI, PostgreSQL, and modern AI frameworks while integrating intelligent automation workflows. Experienced in designing end-to-end AI solutions from model development to API deployment and full-stack integration. Passionate about leveraging Generative AI to solve real-world business challenges through scalable, high-performance systems.

INTERNSHIP EXPERIENCE

Artificial Intelligence Intern

Web Epic Technologies Private Limited | June 2025 – July 2025

- Worked on AI and machine learning applications using Python, gaining practical experience in data preprocessing, model development, and evaluation.
- Assisted in developing and testing AI solutions while understanding the end-to-end machine learning workflow from data collection to deployment.
- Learned core concepts of supervised learning, model optimization, feature engineering, and performance evaluation using real-world datasets.
- Collaborated with mentors to understand industry best practices for AI development, problem-solving, and software engineering.

AICTE – Shell & Edunet Foundation Green Skills AI Internship | Oct 2025 – Nov 2025

- Developed an AI-based project focused on solving sustainability challenges using machine learning and data-driven approaches.
- Applied data preprocessing, feature engineering, model training, validation, and performance evaluation techniques on real-world datasets.
- Learned to build scalable AI solutions by following the complete machine learning lifecycle, from problem definition to prototype development.
- Participated in technical mentoring sessions, project reviews, and presentations, strengthening practical knowledge of AI development and deployment methodologies..

PROJECTS

Multi-Agent Business Automation Platform

Technologies: Python, FastAPI, LangGraph, OpenAI API, PostgreSQL, Redis, JWT, REST APIs, Docker, Next.js, AI Agents, LLMs, RAG.

- Built a production-ready multi-agent AI platform using LangGraph, FastAPI, PostgreSQL, and Redis with human-in-the-loop approval workflows.
- Developed AI agent orchestration, JWT authentication, RBAC, audit logging, and AI observability for scalable business automation.
- Integrated REST APIs, email/WhatsApp automation, and workflow monitoring to streamline end-to-end business processes.

AI-Enabled Intelligent Teacher Robot

Technologies: Python, FastAPI, OpenCV, InsightFace, PostgreSQL, pgvector, STT, TTS, RAG, Raspberry Pi

- Developed an AI-powered classroom assistant with face recognition attendance, speech interaction, and Retrieval-Augmented Generation (RAG).
- Built real-time backend services using FastAPI, PostgreSQL, WebSockets, and Raspberry Pi integration for classroom automation.

- Integrated STT, TTS, NLP, and computer vision to deliver personalized learning assistance and intelligent knowledge retrieval.

EDUCATION

Bachelor of Technology (B.Tech.) in Artificial Intelligence and Data Science

United Institute of Technology, Coimbatore | 2022 – 2026

SKILLS & TECHNOLOGIES

Programming: Python, JavaScript, SQL

AI & Machine Learning: Machine Learning, Generative AI, Computer Vision, NLP, RAG

AI Technologies: LLMs, AI Agents, Prompt Engineering, Vector Databases, Embeddings, AI Automation

Frameworks & Libraries: LangChain, LangGraph, FastAPI, TensorFlow, Scikit-learn, OpenCV, Hugging Face Transformers

Databases: PostgreSQL, MongoDB, pgvector

Tools: Git, GitHub, Docker, REST APIs, WebSockets

CERTIFICATIONS

- AWS Training & Certification – Official Practice Question Set: AWS Certified Generative AI Developer – Professional (AIP-C01) *(Jun 2026)*
- LinkedIn Learning – What Is Generative AI? *(Jun 2026)*
- Edunet Foundation (AICTE & Shell India) – Artificial Intelligence & Data Analytics Internship *(Nov 2025)*
- Forage – British Airways Data Science Job Simulation *(Jul 2025)*