

# Faiz Ishak Jamal

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## Summary

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Aspiring AI Engineer and Full-Stack Developer with strong foundations in Large Language Models (LLMs), agentic AI systems, and backend-driven application design. Experienced in building GenAI-powered applications using LangChain and LangGraph, and developing scalable backend services with FastAPI and Express.js. Passionate about deploying real-world AI solutions.

## Education

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**Bachelor of Technology in Computer Science Engineering**  
Sri Ramakrishna Engineering College, Coimbatore

**Higher Secondary Education (CBSE)**  
Stanes School, Coimbatore

## Skills

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**Programming:** C, C++, Java, Python, JavaScript

**Backend & Web:** FastAPI, MERN Stack, Express.js, EJS

**Artificial Intelligence:** LLMs, Prompt Engineering, Hugging Face, LangChain, LangGraph, Agentic AI

**Machine Learning:** Scikit-learn, Pandas, NumPy, XGBoost

**Cloud:** AWS Cloud Services (Fundamentals), OCI (Generative AI)

**Tools:** Git, GitHub, VS Code, Cursor, PgAdmin, Postman

**Visualization:** Matplotlib, Seaborn

## Projects

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**AI Document Assistant** LangChain, LangGraph, LLMs, Vector Search

- Built an LLM-powered document assistant supporting summarization, question answering, and concept explanation.
- Designed a LangGraph-based reasoning workflow to dynamically route user queries based on intent.
- Integrated vector-based semantic search for efficient context retrieval.
- Improved response relevance by selecting task-specific reasoning paths during inference.

**Wanderlust — Airbnb Clone** Node.js, Express.js, EJS, MongoDB

- Developed a full-stack Airbnb-style web application during internship at Nexoris Solutions.
- Implemented backend routes, authentication workflows, and MongoDB schemas.
- Designed MVC architecture with modular routing and session management.
- Enabled dynamic server-side rendering using EJS and Express.js.

**PreMediq — Health Insurance Premium Predictor** Python, Scikit-learn, XGBoost, Streamlit

- Built machine learning models to predict health insurance premiums using demographic and lifestyle data.
- Deployed an interactive Streamlit application for real-time premium prediction.

## **Internships**

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### **Software Development Intern — Benchmark**

Dec 2025

- Worked across frontend and backend development with emphasis on backend systems.
- Designed application routes, request handlers, and database schemas.
- Integrated backend services with frontend components and third-party APIs.

### **Full Stack Development Intern — Nexoris Solutions**

Sep 2025 – Oct 2025

- Built a production-style full-stack web application as part of organizational development.
- Developed backend routes, authentication flows, and MongoDB data models.
- Implemented server-side rendering using EJS and Express.js.

## **Certifications**

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### **Oracle Cloud Infrastructure 2025 Certified Generative AI Professional — Oracle**

Demonstrated strong understanding of LLMs and hands-on experience with OCI Generative AI Service. Skilled in building, evaluating, and deploying LLM applications using Retrieval-Augmented Generation (RAG), Semantic Search, Vector Databases, and LangChain.

### **AWS Cloud Practitioner Essentials — AWS Training & Certification (Dec 2025)**

## **Publications & Hackathons**

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### **Research Paper: Human Emotion Identification Using Brain Waves and Facial Images — ETMIS 2025**

- OpenAI Academy × NxtWave Regional Buildathon — Tamil Nadu (Prefinalists, 2025)
- Mumbai Hacks 2025 — India's Largest GenAI Hackathon (Finalists)

## **Leadership & Achievements**

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- International Service Director — Rotaract Club of Coimbatore Cosmopolitan (2025–Present)
- Web Development Team Member — Rotaract Club of Coimbatore Cosmopolitan
- 2nd Place — SREC Coin Design Challenge 6.0
- 3rd Place — SREC AI Vishwaguru (AI Video Generation Contest)
- 2nd Place — Best Manager Event (English Literary Society)

## **Languages**

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English, Hindi, Tamil, Gujarati

## **Hobbies**

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Video Editing, Content Creation, Football, Gym, Public Speaking