

P J SUMAIYA FAZARIA

Software Engineer | Python Backend & AI/ML Developer

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PROFESSIONAL SUMMARY

B.Tech Information Technology graduate (CGPA 7.99), currently working as a Technical Trainee at Kloudone, contributing to backend feature development in Python, frontend support, and software testing for AutSec AI, an authentication and security-focused AI product. Strong conceptual grounding in Python, REST API design, and AI/ML (NLP, BERT-based models, Scikit-learn), with hands-on project experience spanning a FastAPI-based fraud detection system, MQTT-driven IoT pipelines, and a fine-tuned LLM chatbot. Comfortable working with modern AI-assisted development tools to accelerate implementation while maintaining a solid understanding of underlying concepts. Conference-published researcher (ICRASEM 2026) with a consistent record of shipping complete, working projects end-to-end.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, Go
- **Frontend:** React, HTML, CSS, JavaScript
- **Backend:** FastAPI, REST APIs, Node.js, MQTT
- **AI / ML:** NLP, BERT, MS-CNN, Scikit-learn, HuggingFace, LLMs, LlamaIndex, CrewAI, AutoGen
- **Databases & Cloud:** MySQL, AWS (EC2, S3, Lambda, IAM)
- **Tools:** Git, VS Code, Bootstrap, Rasa, Arduino/IoT
- **AI Tools & Prompt Engineering:** Claude, ChatGPT, GitHub Copilot — AI-assisted development and prompt engineering
- **Soft Skills:** Communication & public speaking, teamwork, leadership and people management, adaptability

EXPERIENCE

Technical Trainee — Kloudone

2026 – Present

AutSec AI (Authentication & Security AI Product) | Remote

- Contributing to backend feature development in Python for AutSec AI, an authentication and security-focused AI product, with additional frontend support and manual/automated testing responsibilities.
- Built and integrated multi-agent AI workflows using LlamaIndex, CrewAI, and AutoGen, incorporating authentication via AutSec to support secure, agent-driven feature development.
- Gaining production-grade experience across the stack as part of a structured 6-month technical training program in a security/authentication domain.

Data Science Intern — Ideasson Solutions

June 2025 – July 2025

Remote

- Built and evaluated supervised machine learning models in Python using Pandas and Scikit-learn, applying feature engineering and cross-validation to improve model generalization on structured datasets.
- Worked across the full data science workflow — preprocessing, EDA, model selection, and performance evaluation — on real-world problem statements.

IoT & AI Intern — Enarxi Innovations Pvt Ltd

June 2024 – July 2024

Remote

- Developed real-time IoT data pipelines integrating hardware sensors with cloud-based software layers using Python and the MQTT protocol, enabling live device monitoring and remote control — hands-on experience with event-driven, message-based architecture.
- Collaborated across embedded systems development, covering sensor interfacing, data transmission, and mobile application integration between hardware and software layers.

Front-End Development Intern — Cognifyz Technologies

1 Month

Remote

- Delivered responsive web projects using HTML, CSS, and JavaScript with a component-based structure, improving scalability and reducing code redundancy across modules.
- Applied UI/UX best practices including semantic HTML, CSS Flexbox/Grid, and ARIA attributes to enhance accessibility and cross-device visual consistency.

PROJECTS

Fake Job Posting Detection — Hybrid BERT & MS-CNN Framework2025-2026

Python | TensorFlow | HuggingFace | FastAPI | HTML/CSS/JS

- Built a multi-modal fraud detection system using a hybrid BERT and MS-CNN model with an eight-dimensional metadata feature vector, a rule-based fraud engine, and LIME explainability; deployed via a FastAPI backend with REST endpoints to an HTML/CSS/JS frontend.

Elyss — AI-Powered Mental Health Chatbot

Python | Gemma 2B (Ollama) | Fine-tuned LLM | HTML/CSS/JavaScript

- Fine-tuned Gemma 2B (via Ollama) on mental health conversation datasets and integrated it into a responsive web application via backend API calls, giving students real-time, empathetic AI-powered guidance through their browser.

App-Integrated Smart Pet Feeder

Arduino | IoT | MQTT Protocol | Mobile App Integration

- Engineered an Arduino-based automated feeding system with scheduled dispensing and real-time sensor feedback, connected via IoT/MQTT protocols to a mobile app for remote scheduling and live status tracking.

EDUCATION

B.Tech, Information Technology — B.S. Abdur Rahman Crescent Institute2022 - 2026

CGPA: 7.99

Higher Secondary — St. Francis Xavier's Anglo Indian Higher Secondary School2020 - 2022

74%

CONFERENCE & PUBLICATION

8th ICRASEM 2026 — Tagore Engineering College, ChennaiApril 2026

International Conference on Recent Advances in Science, Engineering & Management

- **Paper:** A Hybrid BERT and Multi-Scale CNN Framework for Fake Job Posting Detection. Certificate of Participation awarded.

CERTIFICATIONS

- Enterprise Design Thinking Practitioner — IBM SkillsBuild, Jul 2025 | Front-End Development Track — IBM SkillsBuild, Jun 2024
- English for Competitive Exams — NPTEL Elite, Apr 2025 | IoT & AI Hands-On — Crescent Institute, 2024

Languages: Tamil (Native) | English (Professional Proficiency) | Hindi (Conversational)