

FIJAS MUHAMMED C P

FULL-STACK DEVELOPER / AI & GENERATIVE AI ENGINEER

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PROFILE SUMMARY

Full-Stack Developer and AI/Generative AI Engineer with hands-on experience building web applications using Python, Django, React.js, JavaScript, SQL, and REST APIs. Skilled in developing AI-powered applications using LLMs, LangChain, LangGraph, and Retrieval-Augmented Generation (RAG) architectures. Experienced in frontend-backend integration, database-driven application development, responsive user interfaces, authentication, and API-based services. Strong foundation in debugging, clean code practices, software development, and rapidly learning emerging frameworks and technologies.

CORE COMPETENCIES

- Full-Stack Web Application Development
- Python, Django & Backend Engineering
- React.js & Frontend Development
- RESTful API Development & Integration
- Generative AI & LLM Application Development
- Retrieval-Augmented Generation (RAG) & Agentic AI
- Database Design, SQL & MySQL
- Responsive UI Development & Software Engineering

PROFESSIONAL EXPERIENCE

Software Trainer

May 2024 – Sep 2025

Cyber Square AI and Robotics Pvt. Ltd. | Kozhikode, Kerala

- Delivered structured training programs in Digital Literacy, Programming, Web Development, and emerging technologies for high school students and teachers.
- Conducted engaging online and classroom-based technical training, simplifying complex programming and technology concepts for diverse audiences.
- Developed comprehensive learning materials including curriculum content, lesson plans, assessments, question papers, and teacher guides.
- Applied strong expertise in technical communication, curriculum development, programming instruction, stakeholder engagement, and educational technology.

Software Engineer Trainee

July 2023 – Jan 2024

Baabte System Technologies Pvt. Ltd. | Kozhikode, Kerala

- Developed responsive and scalable web application features using React.js, Django, Python, and RESTful APIs.
- Built and integrated frontend components with backend services, enabling seamless data flow and application functionality.
- Collaborated on full-stack development, API integration, debugging, testing, and application enhancement activities.
- Strengthened expertise in modern web development, client-server architecture, backend development, and software engineering best practices.

PROJECTS

- **Python Tutor | Self-Healing RAG Chatbot**
 - Built an AI-powered Python tutoring application using LangGraph, LangChain, ChromaDB, Streamlit, and Groq LLMs to deliver context-aware learning and coding assistance.
 - Implemented a Retrieval-Augmented Generation (RAG) pipeline to retrieve relevant Python documentation and generate accurate, context-driven responses.
 - Designed a self-healing agent workflow that evaluates responses, reformulates queries, and retries retrieval to improve response quality and reduce hallucinations.
- **Find Your Travel Partner (FYTP) | Full-Stack Django Application**
 - Developed a full-stack ride-sharing platform using Python, Django, MySQL, HTML, and CSS for trip creation, ride discovery, and travel partner matching.
 - Implemented user authentication, CRUD-based trip management, travel requests, and approval/rejection workflows to support end-to-end application functionality.
 - Delivered secure and responsive role-based features and controlled contact sharing for trip owners and passengers.
- **Explore Kozhikode | Responsive Web Application**
 - Developed a responsive web application showcasing Kozhikode's tourist attractions and local food destinations using HTML5, CSS3, and Flexbox.
 - Designed structured, responsive layouts and reusable frontend components to ensure a consistent cross-device user experience.
 - Applied responsive web design and modern CSS techniques to deliver an accessible and user-friendly browsing experience.

EDUCATION & CERTIFICATIONS

- **Master of Computer Applications (MCA)**
Indira Gandhi National Open University (IGNOU) | July 2025 – Ongoing
- **Bachelor of Science in Computer Science**
MES College of Arts and Science, Chathamangalam | University of Calicut | October 2020 – April 2023
- **Advanced Python and Django with Generative AI - HACA & Co.**

TECHNICAL SKILLS

- **Programming Languages:** Python | JavaScript | SQL
- **Backend Development:** Django | FastAPI | REST API Design | Authentication | CRUD Operations
- **Frontend Development:** React.js | HTML5 | CSS3 | Tailwind CSS | Bootstrap | Responsive Web Design | Streamlit
- **Databases:** MySQL | ChromaDB | Vector Databases
- **AI & Generative AI:** Large Language Models (LLMs) | Generative AI | Retrieval-Augmented Generation (RAG) | LangChain | LangGraph | Agentic AI | Prompt Engineering | Vector Embeddings
- **Development Tools:** Git | GitHub | API Integration | Debugging | Testing

LANGUAGES

- English | Malayalam | Hindi