# Muhammed Fasal V

**Junior Software Developer** — Full Stack Development

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## Professional Summary

MCA graduate and Junior Software Developer with professional experience in developing and maintaining web applications and delivering freelance software solutions for real-world business requirements. Skilled in Python, JavaScript, TypeScript, React, FastAPI, Node.js, and SQL, with hands-on experience in full-stack development, cloud-based application architecture, REST APIs, Firebase, and AI/LLM integration. Interested in building scalable, user-focused applications that solve practical business problems through software engineering and intelligent automation.

## Professional Experience

**Junior Software Developer – Finprov Learning** *August 2026 – Present*

*Software Development* *Kerala*

- Contribute to the development, maintenance, and enhancement of company websites and web applications.
- Develop frontend features, content management workflows, and administrative interfaces.
- Enhance website SEO management panels, including live content previews and synchronized content editing.
- Work on AI-powered chatbot functionality and application integrations.
- Perform website testing, debugging, accessibility improvements, and performance analysis.

## Freelance & Real-World Projects

**Royal Boys Hostel – Hostel Administration System**

*Freelance Development* — *React Native, Expo, TypeScript, Firebase, Node.js*

- Developed a cross-platform hostel administration application for Android and Web, supporting multiple hostels, buildings, and staff roles.
- Implemented role-based access control using Firebase Authentication, Cloud Firestore security rules, and Cloud Functions.
- Built modules for room allocation, inmate management, automated monthly billing, fee collection, complaints, and administrative reporting.
- Integrated QR-based admissions, PDF and Excel report generation, WhatsApp messaging workflows, and encrypted data backups.
- Implemented offline-first data handling, queued updates, and real-time synchronization across devices.

**Turf Booking System – Kochi**

*Freelance Development* — *Node.js, TypeScript, Express.js, SQLite, WhatsApp Cloud API*

- Developing an automated WhatsApp-based turf booking platform for checking availability, selecting time slots, and managing reservations.
- Implementing booking workflows, dynamic pricing, and temporary booking holds.
- Building an administrative dashboard for managing bookings, schedules, pricing, customers, and payments.
- Implementing booking validation and availability safeguards to prevent double bookings.
- Working on UPI payment integration and automated booking notifications.

## Academic & Personal Projects

**SmartWear – AI Smart Wardrobe & Outfit Planner** *2026*

*Full Stack + AI — FastAPI, React, MySQL, Groq LLaMA*

- Developed an AI-powered wardrobe platform generating personalized outfit recommendations based on clothing inventory, weather conditions, and user preferences.
- Integrated LLM-based styling recommendations, weather APIs, and intelligent outfit planning.
- Implemented REST APIs, JWT authentication, and database management.

**i-Dine – Smart Restaurant Ordering System** *2025*

*Full Stack — Django, React, SQL*

- Developed a QR-based restaurant ordering platform with digital menus, cart management, and order processing.
- Implemented backend APIs for order management and restaurant operations.

## Technical Skills

**Programming Languages:** Python, JavaScript, TypeScript, Dart, SQL

**Frontend Development:** React.js, React Native, Expo, HTML5, CSS3, Flutter

**Backend Development:** Django, FastAPI, Flask, Node.js, Express.js, REST APIs

**Databases & Backend Services:** MySQL, SQLite, Firebase Authentication, Cloud Firestore, Firebase Storage

**AI & Machine Learning:** LLM Integration, Groq API, LLaMA, RAG Concepts, Scikit-learn, Decision Trees, Random Forest

**Cloud, Hosting & Deployment:** Firebase Hosting, Cloud Functions, VPS Management, Hostinger, cPanel

**Development Tools:** Git, GitHub, VS Code, DB Browser for SQLite

**AI Development Tools:** Cursor, Claude, OpenAI Codex

**Integrations:** WhatsApp Cloud API, UPI Payment Workflows, OpenWeather API

## Education

**Master of Computer Applications (MCA)** *2024 – 2026*

*Pondicherry University, Puducherry — CGPA: 7.4*

**Bachelor of Science in Computer Science** *2021 – 2024*

*MAMO College, Kozhikode*

## Certifications

NPTEL – Joy of Computing Using Python (Elite, 85%) *IIT Madras*

NPTEL – Data Analytics with Python *IIT Roorkee*

IIRS – Overview of GIS *ISRO*

## Languages

**English:** Fluent — **Malayalam:** Fluent — **Hindi:** Intermediate — **Tamil:** Basic