

Mohamed Javid

AI / ML Engineer & Full Stack Developer

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PROFILE

Third-year Information Technology student (GPA 8.6) specializing in production-grade AI architectures, including multi-agent orchestration (LangGraph), RAG pipelines, and enterprise workflow automation. Proven track record of architecting and deploying autonomous AI solutions and scalable full-stack web applications for freelance clients.

EDUCATION

Bachelor of Information Technology	2024 – 2028
<i>SNS College of Technology, Coimbatore GPA: 8.6 / 10</i>	
High School – Tamil Nadu State Board	2022 – 2024
<i>Velumanickam Higher Secondary School, Ramanathapuram 87%</i>	

TECHNICAL SKILLS

Languages	: Python, JavaScript, TypeScript, Java, C++
AI / GenAI	: RAG Pipelines, LLM Integration, Prompt Engineering (few-shot, role-based, structured output), Vector Search, Embeddings
Agent Frameworks	: LangChain, LangGraph, Multi-Agent Orchestration, ReAct Agents, n8n
ML	: Supervised Learning, Random Forest, Decision Tree, Model Evaluation, Scikit-learn
Vector Databases	: FAISS, ChromaDB
Web Frameworks	: React 19, FastAPI, Django, Node.js / Express, Streamlit
Databases	: MongoDB, PostgreSQL, MySQL, Supabase, SQLite
Cloud / DevOps	: Docker, Docker Compose, Vercel, Git, REST APIs, JWT Auth,Google Cloud,AWS
Workflow / APIs	: WhatsApp Business API, Razorpay, Google Sheets Webhook,API integrations
Data Analysis	: Excel (advanced), Data Cleaning, Pandas, Recharts / Chart.js

PROJECTS

BillAgent Pro – AI Multi-Agent Bill Management System

Tech: React, Django, SQLite, Gemini 1.5 Flash, JWT

- Built AI-powered OCR pipeline using Gemini Vision to extract vendor, date, totals, and line items from bill images.
- Designed multi-agent architecture: OCR Agent → Validation Agent → Learning Agent pipeline.
- Delivered analytics dashboard with spending trends, category breakdowns, and top-vendor charts.

MediCode AI – Medical Coding & EHR Compliance Platform

Tech: Django 5, React 19, Gemini AI, HL7 FHIR R4, ICD-11, CPT, Docker

- Engineered AI pipeline generating ICD-11, CPT, and SNOMED CT codes from clinical notes using Gemini API.
- Integrated HL7 FHIR R4 compliance validation and ABDM v3 standards for Indian healthcare context.
- Implemented JWT auth with refresh-token rotation, rate limiting (30 AI req/hr), and CORS security.

PolicyPulse AI – Autonomous Compliance Monitoring Platform

Tech: Python 3.11, FastAPI, React 19 + TypeScript, MongoDB, Gemini 1.5 Flash, Scikit-learn, Docker

- Built PDF policy ingestion engine using Gemini AI to automatically extract structured compliance rules.
- Implemented ReAct based multi-agent system with Security, Privacy, Vendor and Operations agents for autonomous violation remediation.
- Developed proactive Risk Predictor using Scikit-learn to scan records before violations occur and containerised the full stack using Docker.

Ellaura – Custom-Fit E-Commerce Storefront

Tech: React 18, Vite, Supabase, Razorpay, WhatsApp Business API, Google Sheets Webhook

- Built production-ready e-commerce SPA with custom body-measurement checkout and 48-hr fulfilment workflow.
- Integrated Razorpay payments, WhatsApp order notifications, and Google Sheets order sync via Apps Script.

AAROGYA – AI Fitness & Wellness Coach (MERN + AI)

Tech: React 19, Node.js/Express, MongoDB, Python/Flask, LangChain, LangGraph, Gemini API, Docker

- Built LangChain/LangGraph-powered AI wellness coach generating personalised diet and workout plans.
- Integrated Python ML service (Scikit-learn) for activity prediction and a Flask-based model server.
- Enforced Google/Microsoft OAuth, JWT token rotation, Helmet.js security, and CI/CD via GitHub Actions.

EXPERIENCE

AI & Automation Engineering Intern

June 2026 – Sep 2026

Sri Kauvery Medical Care (India) Limited (Kauvery Hospitals) — On-site

- Architected and deployed production-grade multi-agent systems using **LangGraph** to automate complex data workflows and administrative decision-making processes across hospital departments.
- Engineered secure **RAG-based pipelines** (LangChain, FAISS, Gemini API) to autonomously extract, synthesize, and query sensitive enterprise documentation.
- Designed and implemented **n8n workflow automations** integrated with full-stack web interfaces, eliminating manual data entry and drastically reducing operational turnaround times.

Freelance AI/ML Developer

Dec 2025 - Present

Independent — Remote

- Built and deployed RAG-based document Q&A systems for small-scale businesses using LangChain, FAISS, and Gemini API.
- Developed full-stack web solutions integrating AI features (chatbots, automation pipelines) for client projects.

MERN Stack Developer Intern

June 2025 – July 2025

Soft Solutions, Kochi

- Built and shipped REST APIs and frontend modules; integrated MongoDB with React-based UI components.

HACKATHONS & ACHIEVEMENTS

- **AI Agentathon** : Led team TECKEYS to build an Agentic AI bill management system for local businesses and secured 4th place.
- **HACKFEST 2.0, GDG New Delhi** : Built PolicyPulse AI, an autonomous compliance monitoring platform with a ReAct multi-agent system. Project was selected among the top projects at the event.
- **AMD Slingshot** : Developed a real-time GenAI solution (Project: Aura-NPU) focused on edge and offline AI processing with silicon-sovereign AI concepts.
- **AI for Bharat Hackathon** : Proposed an AI-powered unified citizen service platform to simplify government scheme access for rural communities.

LANGUAGES

Tamil (Native) | English (Fluent) | Hindi (Conversational) | Malayalam (Conversational)