

Jagadeep Mamidi

+91-9490822555 | jagadeep.mamidi@gmail.com | [linkedin.com/in/jagadeep-mamidi](https://www.linkedin.com/in/jagadeep-mamidi) | github.com/jagadeepmamidi

Summary

Computer Science student specializing in AI and Machine Learning with experience building and testing production-oriented software, Python/FastAPI services, REST APIs, asynchronous workflows, and reliable AI systems.

Education

Vellore Institute of Technology, Amaravathi

Bachelor of Technology in Computer Science & Engineering (AI & Machine Learning)

Amaravathi, AP

Sep 2022 – Sep 2026

Experience

M2T Pvt Ltd

AI & Data Science Consultant (Senior Consultant; Intern → Full-time)

Gurugram, Remote

Dec 2025 – Present

- **OW Clinical Assistant:** Owned a clinician-facing agentic RAG workspace for structured summaries from complaints, lab reports, and prescriptions; combined Pinecone retrieval, FlashRank reranking, query expansion, department-aware filtering, caching, and document-processing services
- Built privacy-aware, asynchronous document workflows with consent checks, audit logging, user-scoped access, document-integrity validation, OCR, and embedding pipelines
- **CCM Voice Agent:** Built a FastAPI voice-automation platform for KIA sales/service workflows with Excel and Firestore adapters, Gemini Live conversations, an operations dashboard, and call analytics
- Integrated Jambonz/VICIdial telephony, streaming PCM audio, ASR normalization, speaker diarization, RNNoise/WebRTC suppression, session authentication, and structured call logging
- **Status AI:** Delivered a FastAPI operations platform with email/timesheet ingestion, role-protected dashboards, scheduled jobs, attendance workflows, AI-generated digests, and database-backed task management

Projects

DevOps Sentinel | *Python, CrewAI, FastAPI, Supabase* | [GitHub](#) | [Live Demo](#) | [PyPI](#)

- Published `devops-sentinel-next` on PyPI; built an autonomous multi-agent SRE system with a CLI, FastAPI API, WebSocket dashboard, health checks, Slack alerts, and AI-generated postmortems
- Implemented CrewAI orchestration for monitoring, triage, investigation, and incident memory with Supabase persistence; deployed as a non-root Docker service with health checks
- Added automated pytest coverage for health checks, timeouts, authentication, rate limiting, anomaly detection, incident memory, and postmortem generation

RBA Bike Rentals | *Next.js, Supabase, Razorpay, Better Auth* | [GitHub](#) | [Live Site](#)

- Co-built a production scooter-rental platform with customer booking, partner operations, and admin dashboards
- Integrated Razorpay payments and webhooks, Setu DigiLocker KYC, fleet GPS tracking, authentication, and REST APIs for quotes, bookings, and operations workflows

Open Source Contributions

Telegram-Drive fork | [GitHub](#) – Tauri, Rust, and React desktop/Android cloud storage client

Technical Skills

Languages: Python, TypeScript/JavaScript, SQL

AI/ML: RAG, LangChain, CrewAI, embeddings, Pinecone, OCR, ASR, PyTorch, Scikit-learn

Backend/Cloud: FastAPI, Next.js, React, Supabase, REST APIs, GCP Vertex AI, AWS, Docker, CI/CD

Reliability/Security: Testing, Pytest, health checks, timeouts, JWT/RBAC, Supabase RLS, rate limiting, audit logging, monitoring, WebSockets

Integrations: Gemini Live, Jambonz, VICIdial, Razorpay, DigiLocker, Firestore

Certifications & Achievements

3rd Place – Pac Hack, National Level Hackathon

AWS Certified Cloud Practitioner – Credential

MongoDB Certified Associate Database Administrator – Credential