GUNTI RAVIKUMAR

Full Stack Developer — AI/ML Engineer

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EDUCATION

IIITDM Jabalpur – B.Tech in Computer Science & Engineering   **CGPA: 8.3/10.0 — Aug 2023 – May 2027**
Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Software Engineering, Computer Networks
Narayana Junior College, Hyderabad – Intermediate (MPC)   **98.2% — JEE: 98.2%ile — 2021-2023**

TECHNICAL SKILLS

Languages:	JavaScript, TypeScript, Python, Java, C/C++, HTML5, CSS3, SQL
Frontend:	React 19, Next.js 15/16, Tailwind CSS, Framer Motion, shadcn/ui, Radix UI, Responsive Design
Backend:	Node.js, Express.js, REST APIs, WebSocket, Firebase, JWT Authentication, Vercel Serverless
Databases:	MongoDB Atlas, Firebase Firestore, MySQL, Redis, Cloudinary
AI/ML & APIs:	TensorFlow, AssemblyAI, PlantNet API, WeatherAPI, OpenWeatherMap, Leaflet, Google Maps
DevOps & Tools:	Git, GitHub, Docker, Vercel, AWS, Postman, ESLint, Zod Validation

EXPERIENCE

Web Developer – IIITDM Jabalpur Fusion Platform   *Sept 2024 – Present*

- Developing college platform serving **2,500+ students, 200+ faculty** with Node.js/Express APIs reducing response time by **40%**
- Managing **Firebase Authentication/Firestore** across **15+ modules, 3,000+ users**; achieving **95+ Lighthouse score**

PROJECTS

Saviour: AI Disaster Management — *Next.js 15, TypeScript, Firebase, WebSocket, TensorFlow* — Live — GitHub

- Built disaster platform addressing **10M+ affected people** with **real-time WebSocket alerts** (**1,000+ concurrent users, sub-200ms latency**)
- Developed **TensorFlow AI prediction** (**87% accuracy**) and **offline-first architecture** for network failures in disaster zones
- Created **9-type SOS system** with GPS/images, **dual-API weather**, and **12 safety guides** with video tutorials

FarmEase: Agricultural Intelligence — *Next.js 16, React 19, MongoDB, PlantNet API* — Live — GitHub

- Architected platform for **4 user roles** with **PlantNet AI disease detection**, MongoDB treatment DB, and **95%+ crop recommendations**
- Integrated **agmarket.gov.in** for live prices, **AgroBridge workforce module**, machinery rental (8+ types), and weather APIs
- Implemented **OTP email verification** with JWT/bcrypt security and HTTP-only cookies for secure authentication

MeetTask AI: Meeting Transcription — *React 19, TypeScript, Firebase, AssemblyAI* — Live — GitHub

- Built meeting-to-task app with **AssemblyAI speaker diarization** and **9 serverless API endpoints** (auth, webhooks, tasks)
- Implemented **dual-role dashboards** (Manager/Employee) with **real-time Firestore sync** and **Google Drive integration**
- Engineered **webhook async processing** for transcription jobs with **4 priority levels** and status tracking

ACHIEVEMENTS & ADDITIONAL

- Deployed **3 production apps** (disaster management, agriculture, productivity) integrating **8+ APIs** (Firebase, AssemblyAI, PlantNet, WeatherAPI, OpenWeatherMap, Cloudinary, agmarket.gov.in, Google Maps) with **AI/ML features**
- Built **role-based access control** across projects supporting 4+ user roles with JWT; maintained **15+ GitHub repos**
- **Languages:** English, Hindi, Telugu, Japanese (Basic) — **Interests:** Competitive Programming, Open Source, AI/ML