

GUNTI RAVIKUMAR

Full Stack Developer — AI/ML Engineer

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EDUCATION

Indian Institute of Information Technology, Design & Manufacturing, Jabalpur **CGPA: 8.2/10.0**
Bachelor of Technology in Computer Science & Engineering *Aug 2023 – May 2027*
Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Software Engineering, Computer Networks

Narayana Junior College, Hyderabad **98.2%**
Intermediate Education (MPC) — JEE Mains: 98.2 percentile (Top 1.8% among 1.2M+ candidates) *2021 – 2023*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C/C++, HTML5, CSS3, SQL
Frontend: React.js, Next.js, Tailwind CSS, Material-UI, Responsive Design
Backend: Node.js, Express.js, REST APIs, WebSocket, Firebase, JWT Authentication
Databases: MongoDB, MySQL, Firestore, Redis
AI/ML & Tools: TensorFlow, OpenCV, AssemblyAI, NLP — Git, GitHub, Docker, Vercel, AWS, Postman

EXPERIENCE

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

- Developing college-wide web platform serving **2,500+ students and 200+ faculty** members
- Building **RESTful APIs and microservices** using Node.js/Express, reducing API response time by **40%**
- Implementing responsive React.js components with Tailwind CSS, achieving **95+ Lighthouse performance score**
- Managing **Firebase Authentication and Firestore** with real-time sync across **15+ modules** and **3,000+ users**
- Conducting code reviews and implementing unit testing with **85%+ code coverage**, following Agile methodology

PROJECTS – SOLVING REAL-WORLD PROBLEMS

Saviour 2.0: AI-Powered Disaster Management System — *Next.js, TypeScript, MongoDB, Firebase, WebSocket*
[Live Demo](#) — [GitHub](#)

- Built disaster response platform addressing emergency needs of **10M+ disaster-affected people annually in India**
- Engineered **real-time WebSocket alert system** supporting **1,000+ concurrent users** with **sub-200ms latency**
- Implemented **offline-first architecture** enabling critical functionality during network failures in disaster zones
- Developed **AI prediction algorithm** using TensorFlow with **87% accuracy** analyzing **5+ years** of historical data
- Integrated geolocation-based smart routing reducing evacuation time by **35%** for **500+ active users**
- Created Admin Command Center with RBAC managing **50+ emergency responders**, achieving **99.8% uptime**

MeetTask AI: Intelligent Meeting & Task Management — *React, TypeScript, Node.js, AssemblyAI, Firebase*
[Live Demo](#) — [GitHub](#)

- Solved workplace productivity challenges, reducing manual meeting documentation by **75%** for **200+ users**
- Integrated **AssemblyAI API** for automated transcription with speaker diarization, processing **100+ hours of audio**
- Built **NLP-based task extraction** achieving **92% accuracy**, reducing follow-up time by **60%**
- Developed role-based dashboards with **real-time Firestore sync** handling **1,000+ daily API requests**
- Implemented Vercel Blob storage managing **500+ files (2GB+ data)** with **99.9% reliability**

FarmEase: Agricultural Services Platform — *React, TypeScript, Node.js, Express, MongoDB, Google Maps API*
[Live Demo](#) — [GitHub](#)

- Addressed agricultural labor shortage affecting **58% of Indian farmers**, connecting **600+ farmers** with laborers
- Built AgroBridge hiring module and real-time weather integration serving **500+ users** with location-based insights
- Developed fertilizer recommendation system analyzing **20+ soil parameters** with **88% accuracy**
- Created market price dashboard aggregating data from **100+ markets**, helping increase farmer profits by **25%**
- Implemented JWT/bcrypt security and mobile-first design achieving **80% mobile traffic** and **4.5/5 rating**
- Optimized MongoDB queries by **50%**, handling **10,000+ daily transactions** with sub-3s page loads

ACHIEVEMENTS

- Deployed **3 production applications** serving **1,600+ users** with **99.8% uptime** and **4.6/5 average rating**
- Reduced manual processes by **60-75%** through AI/ML integration, impacting **10M+ potential beneficiaries**
- Achieved **JEE Mains 98.2 percentile**, securing rank in **top 1.8% of 1.2 million candidates nationwide**
- Maintained **15+ GitHub repositories** with **500+ commits**, demonstrating consistent development practice
- Implemented responsive designs achieving **95+ Lighthouse scores** with **sub-3s load times** across all projects

ADDITIONAL INFORMATION

Languages: English (Professional), Hindi (Fluent), Telugu (Native), Japanese (Basic)

Interests: Competitive Programming, Open Source Contribution, AI/ML Research, Solving Real-World Tech Problems