GUNTI RAVIKUMAR

+91-9392841241 | ravikumargunti837@gmail.com | LinkedIn | GitHub | Portfolio

COURSEWORK / SKILLS

Data Structures & Algorithms • Operating Systems • Computer Networks • Database Management System • Generative AI • OOPS Concept • Web Development • Software Engineering

EDUCATION

Indian Institute of Information Technology, Design & Manufacturing, Jabalpur **Aug 2023 – May 2027**
Bachelor of Technology in Computer Science & Engineering *CGPA: 8.3/10.0*

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* *Aug 2025 – Present*
- Developing college-wide web platform serving 2,500+ students and 100+ 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

Saviour 2.0: AI-Powered Disaster Management System — *Next.js, TypeScript, Firebase, WebSocket, TensorFlow*
Live — **GitHub**
- Built disaster platform with real-time WebSocket alerts supporting 1,000+ concurrent users with sub-200ms latency
- Developed AI prediction algorithm using TensorFlow achieving 87% accuracy analyzing 5+ years of historical data
- Implemented offline-first architecture enabling critical functionality during network failures in disaster zones
- Created SOS system supporting 9 emergency types with 3-level priority, GPS tracking, and image attachments
- Integrated Leaflet maps with color-coded markers, dual weather API system, and 12 comprehensive safety guides

MeetTask AI: Intelligent Meeting & Task Management — *React, TypeScript, Firebase, AssemblyAI, Cloudinary*
Live — **GitHub**
- Built full-stack platform reducing manual meeting documentation by 75% for 200+ users with dual-role system
- Integrated AssemblyAI API for automated transcription with speaker diarization supporting 6 audio/video formats
- Developed 9 serverless API endpoints handling authentication, webhook processing, and real-time task management
- Implemented real-time Firestore sync handling 1,000+ daily API requests with Google Drive integration for submissions
- Created webhook-based async processing with 4 priority levels (Critical, High, Medium, Low) and status tracking

FarmEase: Agricultural Services Platform — *Next.js, React, TypeScript, Node.js, MongoDB, PlantNet API*
Live — **GitHub**
- Built comprehensive platform serving 4 user roles (Farmers, Laborers, Employees, Admins) with multi-tier support system
- Integrated PlantNet API for disease detection with MongoDB treatment database providing pesticide recommendations
- Developed crop recommendation engine achieving 95%+ accuracy analyzing NPK, pH, temperature, humidity, and soil parameters
- Implemented AgroBridge workforce hub for farmer-worker matching and agmarket.gov.in integration for live market prices
- Created machinery rental marketplace with 8+ equipment types, OTP email verification, and JWT/bcrypt security

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, Hindi, Telugu, Japanese (Basic)
Interests: Competitive Programming, Open Source, AI/ML Research