

GUNTI RAVIKUMAR

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portfolio-sigma-roan-70.vercel.app

SUMMARY

Full-Stack Developer and 3rd-year CSE student at IIITDM Jabalpur (CGPA: 8.3). Proficient in React 19, Next.js 15, and Node.js. Experienced in co-developing multi-role ERP modules and AI-integrated platforms with a focus on real-time data synchronization, system performance, and production deployment.

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 (ES6+), TypeScript, Python, C++, SQL, HTML5, CSS3
Frontend: React 19, Next.js 15, Mantine UI, Tailwind CSS, Redux Toolkit, Radix UI
Backend/DB: Node.js, Django (DRF), MongoDB, Firebase Firestore, PostgreSQL, REST APIs
Tools: Git, GitHub, Vercel, Zod, Leaflet Maps, Postman, Cloudinary, Framer Motion
Soft Skills: System Design, Agile Methodologies, Technical Documentation, Team Collaboration

EXPERIENCE

Full-Stack Developer (Team of 2) | *Fusion ERP – IIITDM Jabalpur*
Scholarship Management Module (SPACS)

Aug 2025 – Present

- Developed a full-cycle scholarship module from scratch using **React** and **Django REST Framework**.
- Built an interactive dashboard with **Mantine UI** and **Redux** for 2,500+ student and faculty users.
- Automated eligibility verification and merit list generation, reducing manual processing by 40%.
- Integrated multi-tier approval workflows with real-time status tracking via optimized backend APIs.
- Enhanced API efficiency by implementing optimized queries and caching strategies for concurrent load.

PROJECTS

Saviour: Real-Time Disaster Management System | [Live](#) | [GitHub](#)

Next.js 15.3, TypeScript, Firebase, Leaflet Maps

- Created a 3-tier SOS system with GPS-tagged alerts for real-time emergency broadcasting.
- Built location-based community hubs using **Firebase** for instant messaging and resource sharing.
- Integrated redundant weather intelligence via **WeatherAPI** and **OpenWeatherMap** for alerts.
- Designed a comprehensive Authority Dashboard for monitoring regional crisis zones and resource allocation.
- Optimized frontend rendering with **Framer Motion** and **Radix UI** for high-pressure environments.
- Implemented fault-tolerant alert delivery using retry mechanisms and fallback APIs to ensure reliability.

FarmEase: Agricultural Intelligence Platform | [Live](#) | [GitHub](#)

Next.js 16, React 19, MongoDB, PlantNet API

- Developed an AI disease detection system using **PlantNet API** for crop ailment identification.
- Designed "AgroBridge," a geographic labor-matching hub connecting farmers with seasonal workers.
- Built a recommendation engine for crop and fertilizer selection based on soil and climate datasets.
- Integrated **Cloudinary** for optimized image storage and retrieval of crop diagnostic reports.
- Automated market price tracking by scraping government data to provide real-time trend visualizations.
- Optimized MongoDB queries and indexing strategies to significantly improve data retrieval performance.

ACHIEVEMENTS

- JEE Mains:** Scored 98.2 percentile, ranking in the top 1.8% among 1.2 million candidates.
- Technical Impact:** Successfully deployed production-ready code into the official university ERP system.
- Open Source:** Maintained 15+ repositories with 400+ commits, showcasing consistent version control.