

KM Gnana Deepak

Full Stack Developer — MERN Stack — DSA Enthusiast

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EDUCATION

B.Tech – Computer Science and Engineering

2023 – 2027

Kuppam Engineering College — CGPA: 8.01

WORK EXPERIENCE

Website Design and Development Intern – istudio

Dec 2025 – Jan 2026

- Developed **5+ responsive full-stack web modules** using HTML, CSS, JavaScript, and REST-based backend services, improving cross-device usability across deployed internship applications.
- Integrated **10+ REST APIs** into frontend workflows to enable structured client-server data exchange and streamline automated data handling.
- Built the **SmartTask Hub** full-stack task management platform enabling authenticated multi-user collaboration workflows supporting **50+ active users** via modular REST API architecture.

PROJECTS

SafeFall – Fall Detection Web App

[Live Demo](#) | [GitHub](#)

Tech Stack: MongoDB, Express.js, React.js, Node.js

- Architected a MERN-based real-time fall detection system processing accelerometer streams at **20Hz** with automated SOS dispatch and **<3s emergency notification latency**.
- Built secure **JWT authentication with RBAC authorization** for **3 distributed user roles**, enabling reliable real-time hospital-caregiver alert coordination.
- Designed scalable **Node.js microservice-based REST architecture (15+ APIs)** with MongoDB persistence and validation pipelines, reducing false alerts by **30%**.
- Implemented geolocation-based hospital routing engine notifying **10+ emergency centers** with live location payload delivery and containerized backend deployment using Docker.

Kisan Setu – Farmer-Merchant Digital Platform

[Live Demo](#) | [GitHub](#)

Tech Stack: MongoDB, Express.js, React.js, Node.js, JWT, RBAC

- Engineered a MERN-stack multi-role agri-commerce platform supporting **JWT-secured RBAC dashboards** for farmers, merchants, and customers.
- Developed **10+ production-grade platform modules** including AI-based crop disease detection, inventory pipelines, and automated order lifecycle orchestration.
- Designed transaction-ready procurement workflows with checkout, shipment tracking, notification, and review subsystems improving end-to-end trade coordination.

TECHNICAL SKILLS

Languages: Java, JavaScript

Frontend & Backend: React.js, Node.js, Express.js (REST APIs, JWT, RBAC)

Databases: MySQL, MongoDB, Supabase

DevOps: Docker, CI/CD (GitHub Actions), Deployment (Vercel, Render)

Tools: Git, GitHub, Postman

Core CS: Data Structures & Algorithms, System Design, Operating Systems, Computer Networks, Distributed Systems, OOP

CERTIFICATIONS & ACHIEVEMENTS

- AWS Cloud Practitioner Essentials – AWS
- Full Stack Web Development – Apna College
- Java Programming – Scaler
- Winner – 24 Hour Hackathon (Among 60 teams)
- Technical Quiz Runner – AitheronML'25