

# KM Gnana Deepak | Full Stack Developer Intern

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## EDUCATION

**B. Tech – Computer Science and Engineering**

Kuppam Engineering College | 2023 – 2027 | CGPA: 8.01

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## WORK EXPERIENCE

**Web Development Intern (Virtual) – Cognifyz Technologies | Nov 2025 – Dec 2025**

- Developed a MERN task management system with JWT authentication and role-based access, supporting secure multi-user workflows.
  - Designed and tested scalable Node.js & Express backend services using Postman, validating 15+ APIs and ensuring reliable end-to-end data flow.
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## PROJECTS

**Safe Fall – Fall Detection Web App (PWA) | React.js, Supabase | [Live Demo](#) | [GitHub](#)**

- Engineered a sensor-driven fall detection pipeline processing accelerometer data at ~20Hz, automating SOS alerts with live location sharing within 3 seconds of fall detection.
- Delivered a hospital–patient alert coordination module to route verified fall events to registered hospitals.
- Reduced false alerts by ~30% during simulated real-world testing.
- Backend alert validation implemented via Supabase Edge Functions and secure database triggers.

**Kisan Setu – Farmer–Merchant Digital Platform | React.js, Supabase | [Live Demo](#) | [GitHub](#)**

- Built a full-stack agri marketplace with 3 role-based dashboards and strict RBAC, enabling direct farmer–merchant–customer trade across 15+ secure workflows.
  - Developed a Farmer Dashboard with AI-assisted crop disease analysis (image + rule-based), crop listings, and real-time inventory and order management.
  - implemented Merchant and Customer Dashboards for farmer discovery, procurement, transparent produce browsing, multi-farmer checkout, order tracking, and invoicing.
  - Created an end-to-end order lifecycle with real-time status updates, notifications, ratings, and reviews, ensuring full transaction traceability and trust.
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## TECHNICAL SKILLS

**Languages:** Java, JavaScript

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

**Databases:** MySQL, MongoDB, Supabase

**DevOps:** Docker, CI/CD (GitHub Actions)

**Tools & Architecture:** Git, GitHub, Linux, Postman, System Design Basics (high-level design)

**Core CS:** Data Structures & Algorithms (Java – active LeetCode practice), OOP, Operating Systems

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## CERTIFICATIONS & ACHIEVEMENTS

- AWS Cloud Practitioner Essentials – AWS Training & Certification
- Full Stack Web Development – Apna College
- Java Programming – Scaler
- **Winner – 24 Hour Hackathon**, secured among 60 teams at Manakula Vinayagar Engineering College, Puducherry, by building Safe Fall, a real-time fall detection & emergency alert web app.
- Technical Quiz – Runner (AitheronML'25) at Kuppam Engineering College