

# 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

## 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.

## 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](#)

- Architected a full-stack agriculture platform with role-based authentication supporting 2 user roles and 10+ core workflows, enabling direct farmer–merchant trade without intermediaries.
- Implemented a Farmer Dashboard integrating 2 disease identification methods (image-based + rule-based), location-based merchant discovery, and an end-to-end purchase flow.
- Built a Merchant Dashboard to manage real-time inventory, process farmer requests/orders, and handle stock updates and purchase acknowledgements.
- Established a bidirectional farmer–merchant connection system supporting product listings, order lifecycle management, and transaction traceability across the platform.

## 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

## 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