DEEPAK JHA

+91 6353808695 • Gujarat, Vadodara
deepakworkpc@gmail.com • github.com • linkedin.com • leetcode.com • www.deepvinci.me

ABOUT

Engineering student seeking an internship to apply and expand skills in software development, contributing to innovative, real-world technical solutions.

SKILLS

Languages:	Kotlin, Javascript, Typescript, Python, C++, HTML, CSS
Frameworks/Libraries:	React Native, Jetpack Compose, Nodejs, Reactjs, Nextjs, MongoDB, Firebase,
Tech:	Git, Postman, Linux, Openstreetmap, QGIS, Docker, Latex

EXPERIENCE

Backend / Android Intern Nov 2025 - current
University Project

- Built backend for AR/VR app to stream optimized images, run an image-to-panorama pipeline, and evaluating COLMAP and HLOC for precise localization.
- Built an AR app module using ARCore, SceneView, and Kotlin that anchors 3D routes on real-world surfaces.

PROJECTS

CampusFind (Try it here)
Developed a university campus map with **AR camera navigation**, custom **Dijkstra routing**, real-time geolocation, **PWA** capabilities, and **Supabase** database using **Next.js** and **MapLibre GL**.

- Built a GPU-accelerated map using **OpenStreetMap**, MapLibre GL, and GeoJSON.
- Implemented Dijkstra's algorithm with weighted paths for multi-route navigation.
- Integrated **device orientation sensors** for real-time navigation for AR direction based arrow.
- Developed a **PWA** with **Next.js**, Supabase, and ImageKit CDN for offline and fast performance.

Medical emergency service app
An Android application designed to provide immediate assistance during medical emergencies, based on emergencies.

- built in **React Native** with **MapLibre** for map rendering and **Valhalla** for route generation, integrated with **Google Maps APIs**
- rendered dataset of **2L+ hospitals** across India with optimized performance

NamasteSetu (Try it here)
Built an **AI-driven** dual medicine coding microservice for industry standard EMR systems in **Node.js** with embeddings for **semantic search** to bridge WHO traditional medicine with ICD-11 standards via 25+ RESTful APIs!

- implemented **RAG pipeline** and **fuzzy search** (**40k+ records ¡100ms**) for accurate diagnosis retrieval
- **containerized** modular backend/frontend with **Docker**, **PostgreSQL**, and **Artillery load testing**
- developed modern UI using **Tailwind** and **shadcn** components

ACHIEVEMENTS

- **Smart India Hackathon** (SIH) University Finalist. **Ranked 3rd in the second round** and in **top 45 in the final round** among **730 university teams**.

EDUCATION

Bachelors of Computer Science, Parul University Expected 2028