

Nischal Mantri

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Work Experience

Aegion Dynamic Solutions LLP

JAN 2025 - Present

Full Stack Developer Intern

Visakhapatnam, Andhra Pradesh

- Collaborated with a team of developers to build a chatbot that provides cannabis-related medical information for a client
- Developed a WhatsApp-based diagnostic bot that interacts with patients by asking symptom-related follow-up questions
- Built an integrated mobile application where doctors receive and verify patient responses before the final diagnosis is sent back to the patient
- Ensured a seamless flow of communication between the chatbot, doctors, and patients through a secure and efficient approval system

Projects

Ping - Chat Application [\[Code\]](#)

- **Tech Stack:** Next.js, Tailwind CSS, MongoDB, Nodejs, Express, WebSocket.
- Developed a real-time chat application with features like instant messaging, friend requests, and chat history using Socket.IO for real-time communication.

Memorise - Note Taking [\[Code\]](#) [\[Link\]](#)

- **Tech Stack:** Next.js, Tailwind CSS, MongoDB, Nodejs, Express,
- Built a full-stack note-taking web app with authentication, real-time syncing, and autosave;

Password Manager [\[Code\]](#) [\[Link\]](#)

- **Tech Stack:** React.js, Tailwind CSS, Firebase, Nodejs.
- Let's you manage your passwords Safely for various platforms, easy access and representation of the information ready to be accessed.

Achievements

SUS Hacks - Hackathon #3rd Place

Multi-Modal PDF Similarity Search - RAG app that extracts text/images from PDFs, stores in a vector DB, and retrieves similar results across modalities.

Hackverse - Hackathon #4th Place

YouTube Video Search and Optimization Platform - video search platform to find keyword timestamps, download clips, and auto-generate AI-powered thumbnails and titles - reliably for videos of any length.

Technical Skills

Frontend & Backend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Node.js, Express, WebSocket, Firebase, MongoDB.

Languages & Tools: C++, Python(basic), Java (basic), C (basic), Git, GitHub.

Education

Vignan's IIT, Andhra Pradesh || bachelor's degree in computer science engineering || 2026