Avinash Pappala

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Education

Vignan's Institute of Information Technology   *2023 – 2027*
BTech in Computer Science and Engineering   CGPA: 9.22

Technologies

Languages: Python, JavaScript, C, TypeScript
Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, FastAPI, LangChain, Firebase
Databases: MySQL, MongoDB
Developer Tools: Git, GitHub, PyCharm, Postman, Vite, Figma, Power BI

Experience

Software Developer Intern, WilloWave   *Remote, Sep 2025 – Present*

- Migrated multiple React.js applications to Next.js, improving page load and rendering performance by **35%**.
- Built AI-powered applications, intelligent agents, and dashboards, enhancing user productivity.
- Developed and optimized REST APIs, improving response times and overall backend efficiency by **30%**.
- Tech Stack: Next.js, Tailwind CSS, TypeScript, Express.js, MongoDB, LangChain, LangGraph, Git.

Software Developer Intern, ZORO Innovations   *Remote, Jun 2025 – Jul 2025*

- Developed a Student Dashboard for attendance, results, timetable, and feedback, improving accessibility.
- Integrated frontend with REST APIs for seamless real-time data interaction, enhancing UX by **40%**.
- Built modular, reusable React components to improve code maintainability and scalability.
- Tech Stack: React.js, Tailwind CSS, Vite, Figma, Git, REST APIs

Projects

CampusConnect   [GitHub](#) | [Live Link](#)

- Built an AI-powered career platform for internships, coding practice, and interview preparation.
- Developed AI Interviewer using FastAPI to generate personalized role-based questions and feedback.
- Integrated live internship data and adaptive coding practice modules based on user difficulty choice.
- Tools Used: Next.js, FastAPI, React, Tailwind CSS, Python.

Health AI Assistant   [GitHub](#) | [Live Link](#)

- Built an AI assistant that analyzes health reports and provides summaries with medical insights.
- Integrated features like symptom detection, treatment suggestions, and a dynamic health chatbot.
- Completed full-stack development with Gemini AI integration for accurate medical interpretation.
- Tools Used: Python, Gemini AI, Streamlit.

Chatterly   [GitHub](#) | [Live Link](#)

- Built a full-stack real-time chat platform supporting one-on-one and group conversations with live updates.
- Implemented secure authentication, message encryption, real-time synchronization using Socket.io and JWT.
- Integrated MongoDB for scalable data storage and Express.js for efficient backend communication.
- Tools Used: React.js, Node.js, Express.js, MongoDB, Socket.io, Tailwind CSS.

Achievements

- Achieved 2* on CodeChef (highest rating: 1463), top 12% on LeetCode (highest rating: 1724).
- Solved 500+ problems across CodeChef, LeetCode, and GeeksforGeeks.
- GeeksforGeeks Campus Body lead, GDG Oncampus Technical lead (2025-26)