

Avinash Pappala

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Profile

Highly skilled Full-Stack Developer specializing in Next.js, FastAPI, and LangChain for building AI-powered solutions. Proven expertise across the MERN and FARM stacks to engineer scalable, high-performance web applications. Dedicated to full-lifecycle development, emphasizing clean code, API optimization.

Education

Vignan's Institute of Information Technology
B.Tech in Computer Science and Engineering

2023 – 2027
CGPA: 9.08

Technical Skills

Languages: Python, JavaScript, C, TypeScript

Frameworks/Libraries: Next.js, React.js, Node.js, Express.js, FastAPI, LangChain, RESTful APIs

Databases: MongoDB, MySQL, Firebase

Developer Tools: Git, GitHub, PyCharm, Postman, Vite, Figma, Agile Methodologies, 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.
- Optimized REST APIs, reducing average API response times and increasing efficiency by over **30%**.
- Leveraged Next.js, TypeScript, Tailwind CSS, Express.js, and MongoDB for full-stack development.

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.
- Utilized React.js, Tailwind CSS, Vite, and Figma for rapid prototyping and front-end delivery.

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.
- Utilized a modern stack including Next.js, FastAPI, React, and Tailwind CSS for full-stack delivery.

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.
- Utilized Python and the Streamlit framework for rapid prototyping and deployment of the user interface.

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.
- Developed the backend using Express.js/Node.js and integrated MongoDB for scalable and efficient data persistence.

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)