

Rishab Nagwani

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Summary

Pre-final year Computer Science student specializing in full-stack web development. Proficient in building and deploying scalable applications using Next.js, Express.js, and Docker. Proven ability to deliver high-impact solutions, evidenced by reducing API response times by 25% and increasing development speed by 30% in internship projects. Eager to apply my skills in a challenging, growth-oriented environment.

Education

Vellore Institute of Technology

B.Tech in Computer Science (Spec. in AI & Machine Learning)

- CGPA: 8.72/10

Vellore, India

2023 – 2027

Work Experience

SDE Intern, Lumio AI

Mumbai, Maharashtra

March 2025 – September 2025

- Built and optimized scalable FastAPI endpoints for chatbot context handling and vector search using LangChain, OpenAI, and pgvector, cutting API response times by 40%.
- Engineered a full-stack, role-based booking application for Ciel Power, automating scheduling for over 100+ clients monthly via Bookeo and Google Meet integrations.
- Implemented a dynamic knowledge base feature that successfully reduced customer support ticket volume by 25% by utilizing RAG and Agentic AI toolsets.
- Replicated the UI and core functionalities of 10+ major web applications (e.g., Amazon, Expedia) to replicate complex e-commerce checkouts and dynamic filtering systems.
- Ensured application reliability and streamlined deployment processes by containerizing backend application using Docker and docker-compose.

Technical Head, Society for Industrial and Applied Mathematics (SIAM)

VIT Vellore

February 2024 – Present

- Developed a participant and admin portal for Hackulus 2025 hackathon by SIAM-VIT, successfully serving over 100 participants.
- Engineered key features including project submission, a real-time timeline, and a judging panel system, resulting in a 95% satisfaction rate from participants for event organization.

Projects

Project Manager Application

December 2024

- Architected a full-stack project manager application designed to handle over 10+ workspaces and 50+ concurrent projects with efficient task tracking.
- Integrated Appwrite BaaS for database, authentication, and image uploads, accelerating the development timeline by 30% by minimizing backend boilerplate code.
- Leveraged Tanstack Query for server-side state management, improving data-fetching performance and enhancing UI responsiveness.

Real-time Chat Application

October 2024

- Built a feature-rich, real-time chat application supporting text, image, and video communication with an average message latency of under 200ms.
- Developed a scalable backend architecture using WebSocket, Socket.IO, and a Supabase PostgreSQL database, with Prisma ORM for type-safe database access.
- Integrated Clerk for secure user authentication and LiveKit for high-quality, low-latency one-on-one video calls.

Skills

Programming Languages: Python, Java, HTML, CSS, JavaScript, TypeScript

Frameworks & Libraries: React, Next.js, FastAPI, Node.js, Express.js, LangChain, Tailwind CSS, Framer Motion

Databases & Tools: PostgreSQL, MongoDB, Redis, Prisma, Docker, Git/GitHub, Appwrite, Supabase, Sentry, Render, Vercel, v0.dev

Certifications

- Tricentis Tosca Copilot Trainer**: Validates expertise in Tricentis Tosca, having trained HPE employees on leveraging its AI-driven assistant to streamline test case creation and improve testing workflows.
- JavaScript Foundations**: Covers core JavaScript concepts including objects, functions, classes, DOM manipulation, event handling, and asynchronous programming.
- MongoDB Node.js Developer Path**: Certifies proficiency in building Node.js applications with MongoDB, covering database design, CRUD operations, and schema validation using Mongoose.
- GitHub Foundations**: Demonstrates foundational skills in Git and GitHub, including repository management, branching, commits, and collaborative project management.