

Rishab Nagwani

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Education

Vellore Institute of Technology, Vellore – B.Tech Computer Science with specialization in Artificial Intelligence and Machine Learning 2023 – 2027

- CGPA: 8.60/10

Projects

Project Manager Application [🔗](#) 2024

- Developed a project manager application with **Next.js 15** and **Hono.js** for efficient task tracking and project handling with multiple workspaces.
- Used **Appwrite** BaaS for database, authentication and image upload.
- Server side state management powered by **Tanstack Query** and **nuqs**.

Payment Gateway Application [🔗](#) 2024

- Developed a **NextJS 14** application similar to Patreon, enabling user sign-in via **OAuth**.
- Implemented profile storage in a live **MongoDB Cluster** using **Mongoose ORM**.
- Integrated **Razorpay Payment Gateway API** for payments.

Organizations

Lumio AI, SDE Intern – Mumbai, Maharashtra March 2025 – Present

- Developed a **Python backend** for an AI chatbot using **LangChain** for NLP, **document scraping**, and **analytics**, improving user insights and growth tracking.
- Improved performance with **pgvector** (**35%** faster DB access), optimized Docker build (**16%** smaller image), and reduced frontend chat lag by **20%**.

Society for Industrial and Applied Mathematics, Technical Head – VIT Vellore February 2024 – Present

- Developed user portal for technical event Bug Hunt 2.0 2025 with **Next.js**, **PostgreSQL** and **Express.js**. Implemented **participant registration**, **real time score update** and **timer using webworkers**. [🔗](#)
- Developed participant and admin portal for **100+ participant** technical competition, Coding Relay 2025, using **Next.js 15**, **Framer Motion** and **PostgreSQL**. Comprehensive management features such as **team registration**, **modification**, **real time leaderboard** and **scoring system**. [🔗](#)
- Designed responsive UI for the Gravitas Math Premier League 2024 website using **React**, **Bootstrap** and **CSS**. Concurrent user count of **100+** participants. [🔗](#)

Certifications

- **JavaScript Foundations** [🔗](#)
- **MongoDB Node.js Developer Path** [🔗](#)
- **GitHub Foundations** [🔗](#)

Skills

Programming Languages: HTML, CSS, JavaScript, TypeScript, C/C++, Java, Python.

Frameworks and Libraries: React, Next.js, Framer Motion, Bootstrap, Tailwind CSS, Hono.js, Express.js, Node.js, MongoDB, PostgreSQL, Prisma, Git/Github, WebSocket, Sentry, Appwrite, Docker, Redis.

Coursework: Computer Programming in Python and Java, Structured and Object-Oriented Programming, Data Structures and Algorithms.