

# Rishab Nagwani

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## Education

### Vellore Institute of Technology, Vellore

2023 - 2027

B.Tech Computer Science with specialization in Artificial Intelligence and Machine Learning

- 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**.

### Real-time Chat Application [↗](#)

2024

- Developed a Discord-style app with real-time chat via **WebSockets (1s polling rate)**.
- Video and Audio features using **Livekit API** and authentication powered by **Clerk**.
- **PostgreSQL** database managed via **Prisma ORM**.

### 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

### VITrendZ | Full Stack Web App Developer

October 2024 - Present

VIT Vellore

- Core member of the team tasked with re-developing the landing page of VITrendZ.

### Society for Industrial and Applied Mathematics | Senior Core Member

February 2024 - Present

VIT Vellore

- Designed responsive UI for the Gravitas Math Premier League 2024 website using **React**, **Bootstrap** and **CSS**.

## 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.

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