

Rishab Nagwani

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Education

Vellore Institute of Technology, Vellore

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

August 2023 – Present

- CGPA: 8.56/10

Poddar Brio International School, Badlapur

CBSE Board (XII)

June 2021 – March 2023

- Percentage: 89.1%

SVKM JV Parekh International School, Mumbai

IGCSE Board (X)

June 2008 – March 2021

- Percentage: 93.6%

Organizations

VITrendZ | Full Stack Web Developer

VIT Vellore

October 2024 – Present

- In charge of developing and maintaining technical assets owned or operated by VITrendZ.
- Core member of the team tasked with re-developing the landing page of VITrendZ.

Society for Industrial and Applied Mathematics | Core Member

VIT Vellore

February 2024 – Present

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

Projects

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**.
- Powered by **Clerk** for authentication.
- **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.

Password Manager Application [🔗](#)

2024

- Developed a password manager application with **React** and **Vite**, supports CRUD operations.
- **MongoDB Atlas Cluster** database connected via custom **ExpressJS API**.

Skills

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

Frameworks and Libraries: React, Next.js, FramerMotion, Bootstrap, Tailwind CSS, Express.js, Node.js, MongoDB, Mongoose, PostgreSQL, Prisma, Git/Github, GitHub Actions, WebSocket, Sentry, Postman.

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