Rishab Nagwani

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Education

Vellore Institute of Technology, Vellore   *August 2023 – Present*
B.Tech Computer Science with specialization in Artificial Intelligence and Machine Learning
- CGPA: 8.60

Poddar Brio International School, Badlapur   *June 2021 - March 2023*
CBSE Board (XII)
- Percentage: 89.1%

SVKM JV Parekh International School, Mumbai   *June 2008 – March 2021*
IGCSE Board (X)
- Percentage: 93.6%

Projects

Project Manager Application ↗   *2024*
- Developed a project manager application with **Next.js** 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 | Core Member   *February 2024 - Present*
VIT Vellore
- Designed responsive UI for the Gravitas Math Premier League 2024 website using **React, Bootstrap and CSS**.

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.