Vishrudh Raj RS

Full Stack Developer

I am a second-year student at NIT Trichy, with interest in Full-stack web development. As a member of the Delta Force (NITT's official coding club), I focus on creating user-centric web applications and dedicated to staying at the forefront of this ever-evolving field. I am looking forward to contributing my skills and enthusiasm to innovative projects.

Contact

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Coding Languages

Javascript • CSS3 • Typescript • HTML5 • Python • C#

Experience

Developer at Delta Force :

Software Developer in the official coding club and web team of NIT Trichy, which produces and maintains most of the web and app development for various activities, festivals and admin-related projects in the college.

Developer for Aaveg :

Developed websites for over 1000+ freshers for a college fest.

Delta Winter of Code:

Working on a MERN backend for a global event with multiple companies and contributors

Education

2022-2026
B.Tech ECE
NIT Trichy (NIRF - 9)

2022
Class 12 (AISSCE - 481/500)
SSVM - Coimbatore

SKILLS

Node.js | Express | MongoDB | Mongoose | FastAPI | Socket.io | Next.js | Flask | React.js | Javascript | Pug | Tailwind | CSS | Git | Github | Python | Unity | C# | HTML5

Featured Projects

EDU 2.0

Full stack project | Delta Force

EDU 2.0 is an innovative educational platform designed to facilitate seamless interaction and knowledge exchange between students and educators. It offers a diverse range of features, including real-time communication, assignment submission, doubt resolution, and interactive learning tools, with a primary focus on enhancing students' understanding of complex physics concepts.

Technologies Utilized:

- The Project was built using the MERN Stack. It has a real-time chat feature that was built using web sockets implemented with Socket.io.
- The interactive physics simulation uses a physics engine called matter.js and HTML5 canvas as a rendered
- User authentication and authorization were built with both Google authentication and email authentication

Quizz Hub

Full stack project | Induction @Delta Force

QuizzHub is an interactive platform designed to empower users in creating and participating in quizzes. Beyond simple quiz creation and taking, the platform incorporates a dynamic friend request system and real-time leaderboards, fostering a thriving community of knowledge-sharing and friendly competition.

Technologies Utilized:

- The Backend was built with Node JS and Express, and authentication was built from scratch.
- It is a server-side-rendered site that uses Pug as its rendering engine. It also uses Socket.io to update the leaderboard in real time.

Ultimate Snake

Front end project | Inductions @Delta Force

This project represents an engaging personal endeavor I developed. It introduces a modern twist to the classic retro snake game, incorporating an array of innovative features such as teleportation, dynamic moving obstacles, customizable themes, save-load functionality, power-ups, and a host of other intriguing elements. You can check it out for yourself Here.

Technologies Utilized:

- The Project was built from HTML5, CSS3, and Javascript using No external libraries. All the functionality, like the animations, snake, and all other features, were custom-coded into the game.