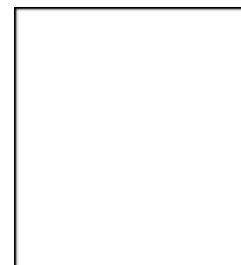# Vishrudh Raj RS

B.Tech - Electronics and Communication Engineering
Gender: Male
Date of Birth: 14/07/2004
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Contact : +91-431-2501081

Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024-Present	B.Tech- ECE	NIT, Trichy	8.95
2022	Class XII	SSVM Institutions , Mettupalayam, CBSE	96.2%
2020	Class X	SSVM Institutions , Mettupalayam, CBSE	95.2%

Academic Achievements

- Winners of TRI-NIT hackathon 2024.
- 3rd Place in Algos Contest conducted by Delta Force, the official coding club of NIT T
- Stood among the top 1% students in JEE-Mains and secured 1st among my school .
- Finalists in Pragyan Hackathon.

Internship Experience

- **Winter freelancing at OSPBL - Tamil Nadu**:   *Dec 2023 - Jan 2024*
  Led a collaborative effort with a team of two to develop an integrated business management tool for an international paper board industrial company. Responsibilities included analyzing requirements, designing and implementing modules for raw material procurement, usage tracking, and secure reporting. Successfully delivered the tool, improving operational workflows and decision-making capabilities while ensuring data security and compliance. This project exemplifies my ability to lead a team, analyze business needs, and deliver innovative solutions within specified timelines.

Other Projects

- **TIMEWARP |** Code Based Puzzle Solver**:**   *Dec 2023 – Feb 2024*
  - o Built a Code Based Puzzle Solver game with a team of 10 people using React, Redux, Phaser, SpringBoot, Kotlin
  - o Worked on a Shooting system, Inventory system and various Puzzles
  - o The game had about 500+ registrations with one of the most number of active participants among all events.
  - o Mainly worked on the frontend aspects creating the game puzzles and logic

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- **EDU 2.0 |** Physics Visualizer/ Education tool**:**   *Mar 2023 – June 2023*
    - o Developed EDU 2.0, an innovative educational platform facilitating seamless interaction between students and educators, emphasizing understanding complex physics concepts.
    - o Utilized the MERN Stack (MongoDB, Express.js, React.js, Node.js) for robust and scalable development.
    - o Implemented physics simulation with matter.js
    - o Implemented real-time chat functionality using web sockets with Socket.io, enabling instant communication between users.

- **Delta Winter Of Code:**   *Dec 2018*
    - o Spearheaded development as the lead contributor in DWOC, a platform similar to GSOC, fostering open-source collaboration.
    - o Leveraged MERN stack and GitHub API to build the platform, facilitating seamless interaction and integration with GitHub repositories.
    - o Played a pivotal role in attracting over 320 registrations, demonstrating effective leadership and impactful contributions to the project's success.

- **QUIZHUB |** Online Quiz Platform**:**   *Feb 2023 – March 2023*
    - o Developed QuizzHub, an interactive platform facilitating quiz creation and participation, alongside fostering a vibrant community atmosphere.
    - o Implemented backend functionalities utilizing Node JS and Express, ensuring seamless server operations and efficient data handling.
    - o Engineered a custom authentication system from scratch to secure user accounts and ensure data integrity.
    - o Utilized Pug as the rendering engine for server-side rendering, enabling dynamic content generation, and integrated Socket.io for real-time leaderboard updates, enhancing user engagement.

Technical Skills and Certifications

- Programming Languages   : Python, Javascript , C++, HTML5, Typescript
- Technologies   : Node.js , Express , Socket.io , Mongoose, Next.js , Flask, React.js, Git, Github, Tailwind, Pug, Prisma, MantineUI, WebRTC
- Other Software   : Visual Studio Code, Figma, Docker, Postman

Positions of Responsibility

- **Deputy Manager, Delta Force:**   *Aug 2023 - Present*
    - o 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.
    - o Developed and Deployed production-ready websites and applications accessed by 10,000s of unique visitors every year.

- **Aaveg , Manager of Web Operations :**   *Oct 2023 - Present*
    - o Manager of the Web Operations team of Aaveg, the annual inter-hostel sports and cultural extravaganza of NIT, Trichy.
    - o Managed and Developed websites for over 1000+ freshers for a college fest.

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