**Nishu Singh**
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## Summary


- Ambitious engineer keen to contribute boundless enthusiasm while expanding personal competencies. Dedicated to absorbing and leveraging new techniques and skills.
- Enthusiastic about machine learning and an avid competitive programmer.


## Skills

- **Programming Languages**: C++, Java, Python, SQL, R, Object-Oriented Programming
- **Technologies**: Machine Learning and Deep Learning, HTML, CSS, JavaScript, Blockchain
- **System**: Digital System Design, Microprocessors and Microcontrollers, Analog Circuits, Arduino, Signal Processing, VLSI System Designs
- **Relevent Course Work**: Data Structure and Algorithms, Design and Analysis of Algorithms, Discrete Mathematics and Graph Theory, Theory of Computation, Database System, Computer Network, Data Analytics, Competitive programming, Probability and Statistics, Complex Variables and Linear Algebra

## Projects

- **TRUX - The Decentralized Application** VIT Chennai
  *Qualified for final round in hackathon* .
  - **Decentralized E2E Logistics Application** : Stores the whereabouts of product at every freight hub on the Blockchain.
  - **Recommended Strategies** : Maximize performance involved in software installations. Delivered code to meet functional or technical specifications. Designed front-end and back-end solutions for test-driven development.
- **Rock VS Mine Prediction by Sonar** VIT Chennai
  *Machine Learning model* .
  - **Designing and Implementation**: "Rock vs. Mine" is a machine learning model tailored for underwater object classification. Its user-friendly interface, developed using HTML, CSS, and JavaScript, enables users to input sonar data for real-time predictions distinguishing between rocks and mines.
- **Currency Converter** VIT Chennai
  *Using HTML, CSS and Javascript* .
  - **Designing and Implementation**: The currency converter is a user-friendly web application built with HTML, CSS, and JavaScript. It offers an intuitive interface that allows users to input the amount, choose the source and target currencies, and promptly view the converted result.
- **Hospital Management System** VIT Chennai
  *DBMS semester end project* .
  - **Designing and Implementation**: Developed and implemented a comprehensive database for a hospital management system, overseeing the design of the database schema, implementing data normalization techniques, and ensuring data integrity and security. Utilized MySQL as the database management system, designing efficient queries and optimizing database performance.

## Education

- **VIT University** Chennai, India
  *B.Tech, Electronics and Computer Science* *2025*
- **12th Board** Central Board of Secondary Education.
  *87.6 percent* *2021*
- **10th Board** Central Board of Secondary Education.
  *95 percent* *2019*