

# SUYASH SINGH

Indore, Madhya Pradesh 452016

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## Education

### Vellore Institute of Technology, Vellore, Tamil Nadu

CGPA: 8.1

*Bachelor of Technology in Computer Science and Engineering*

*August 2021 – May 2025*

### Class XII, CBSE

Percentage: 82

*Shri Gujarati Samaj AMNEM School, Indore, Madhya Pradesh*

*2019-2021*

### Class X, CBSE

Percentage: 94

*Choithram School North Campus, Indore, Madhya Pradesh*

*2017-2019*

## Relevant Coursework

- |                        |                       |                           |                         |
|------------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures      | • Algorithms Analysis | • Artificial Intelligence | • Web Development       |
| • Software Development | • Database Management | • Internet of Things      | • Computer Architecture |

## Projects

### Online Ecommerce Store | *Data Structure and Algorithms*

June 2024

- Designed and implemented an efficient online store for selling cameras, utilizing advanced data structures such as Linked Lists for dynamic customer and order management, and AVL trees for real-time inventory handling, ensuring optimized performance and scalability.
- Utilized self-balancing AVL trees to streamline order processing by managing insertion, deletion, and searching operations with high efficiency, resulting in a responsive and user-friendly interface that handles large datasets seamlessly.
- Leveraged Dijkstra's algorithm for shortest path calculations between delivery nodes, and Prim's algorithm for finding minimum spanning trees, thereby ensuring cost-effective and quick deliveries, and maintaining a robust and reliable inventory system.

### Iron Fitness | *Frontend Development*

May 2024

- Designed a user-centric platform enabling members to customize workout plans based on individual goals, preferences, and fitness levels.
- Efficiently delivered the required information to users, ensuring clarity and satisfaction.
- Addressed the common challenge of limited visibility into fitness progress, empowering users with tangible results and motivation.

### NFT Master Hub | *Frontend Development*

December 2023

- Developed a fully responsive static frontend for an NFT marketplace, ensuring seamless user experience across various devices and screen sizes.
- Prioritized user interface design to enhance user engagement and satisfaction, resulting in an intuitive and visually appealing platform.
- Implemented performance optimization techniques to ensure fast loading times, contributing to a smooth and efficient browsing experience for users.

## Technical Skills

**Languages:** Python, Java, C/C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Eclipse, Google Cloud Platform, Microsoft Power Platform, Android Studio

**Technologies/Frameworks:** Linux, GitHub, JUnit, WordPress

**Soft Skills:** Team player, Bias for action, Deliver results

## Certifications

- 🏆 Successfully completed the Google Cloud Computing Foundations Program by Etrain india.
- 🏆 Successfully completed the Microsoft Certified: Power Platform App Maker Associate course by Etrain india.
- 🏆 Successfully completed the Junior Cybersecurity Analyst Career Path by Cisco.
- 🏆 Successfully completed the Introduction to MongoDB by MongoDB.
- 🏆 Successfully completed the Data Science on cognitiveclass powered by IBM.

## Interests

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- I have initiated my exploration of blockchain technology, demonstrating a proactive commitment to staying abreast of cutting-edge developments in the digital landscape.
- Actively learning MERN (MongoDB, Express.js, React, Node.js) stack for full-stack web development.
- I am a fitness enthusiast and like working out regularly.