SUYASH SINGH

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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: 84.6**
Shri Gujarati Samaj AMNEM School, Indore, Madhya Pradesh   *2019-2021*

Class X, CBSE   **Percentage: 93.4**
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

- 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.

Extracurricular

- Leetcode: Solved 300+ problems.
- Participated and performed well in the Smart India Hackathon - SIH 2023.
- Participated in diverse community service initiatives with a strong focus on enhancing social welfare and community development.
- Strengthened collaboration, communication, and empathy by actively engaging with diverse groups and community members.