

Sudhanshu Tyagi

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Summary

I am a Computer Science student passionate about developing innovative software solutions with a solid foundation in data structures, algorithms, web development, and database management. I thrive in team collaborations and continually seek opportunities to enhance my skills through real-world projects.

Education

B.Tech in Computer Science and Information Technology Nov 2021 – June 2025
KIET Group of Institutions, Ghaziabad (Delhi-NCR)

- **Coursework:** Data Structures, Algorithms, Database Management, Computer Networks, Operating Systems, Object Oriented Programming

Intermediate (CBSE – Class 12th) Apr 2020 – June 2021
Dayawati Modi Public School, Ghaziabad

Skills

Languages: C++, C, Python, SQL, HTML, CSS, JavaScript

Technologies/Tools: Git, GitHub, MySQL, ReactJS

Projects

Video Calling Website for Deaf and Mute People [Link]

- Tech Stack Used: React, Node.js, WebRTC, SQL
- Built an accessible video calling platform designed to assist communication for deaf and mute users using real-time video and text features
- Integrated WebRTC for peer-to-peer video communication and real-time chat
- Collaborated in a team to build and deploy the project, focusing on backend integration and Database management.

Restaurant Billing System [github]

- Tech Stack Used: C++
- Developed a console-based application to automate order management and bill generation in restaurants.
- Implemented features such as menu display, order selection, tax calculation, final billing, and receipt generation.
- Implemented data structures (linked lists, hash tables) for efficient bill storage and retrieval.

Experience

Software Engineer Intern, Xcentic.in July 2024 – Dec 2024

- Worked on front-end development using JavaScript and React.js to build responsive user interfaces
- Collaborated with senior developers to fix bugs, optimize performance, and implement new features
- Wrote and tested clean, maintainable code in an Agile environment
- Gained practical experience in version control (Git), RESTful APIs, and responsive UI design

Certifications

Cyber Security Essentials Certification – Cisco Networking Academy
Gained knowledge of network security, encryption, and cyber threats.

Foundation of Value-Based Care Certification – Innovaccer Academy
Learned healthcare data analysis and its role in value-based care models.