

Siddharth Roy

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Education

B.Tech (Mathematics and Computing),

Delhi Technological University

2020 – 2024 | New Delhi

CBSE (Class XII), Venkateshwar International School

2020 | Dwarka

CBSE (Class X), Venkateshwar International School

2018 | Dwarka

Projects

Portfolio Website, React [↗](#)

- Designed and developed a personalized portfolio website using *React* and *Tailwind* CSS to showcase professional achievements, skills, and projects.
- Implemented an intuitive navigation menu for seamless navigation, enhancing the overall user experience and accessibility by using *React-Router-Dom*.
- Ensured a responsive layout for optimal viewing on various screen sizes, improving accessibility and user experience.

Blog App, Frontend [↗](#)

- The blog application offers a seamless and interactive platform for users to read, create, and manage blog posts. The combination of *React*, *Tailwind* CSS, and various React packages demonstrates proficiency in modern web development, while the integration of Appwrite as the backend ensures a secure, efficient and scalable data management system.
- React packages used: React-Router-Dom, Redux Toolkit, React-Redux, React-Hook-Form, Tinymce-React.

Video Tube, Backend

- A backend development project made for users where they can watch videos, upload videos, tweet and view their watch history.
- It is made using Node.js, Express.js, Mongoose, Multer, MongoDB and Postman is used to send server requests.
- Data modeling, API handling and aggregation pipelines were used in this project.

Text File Compressor, C++, DSA

- This project is based on Huffman Coding, a lossless, bottom-up compression algorithm.
- It can compress and decompress any text file.

Skills

Languages

C++, JavaScript, HTML, Python

Web Development

Node.js, React.js, Express.js, MongoDB, Tailwind

Coursework

Data Structures and Algorithms, Object Oriented Programming (OOPS), Operating Systems (OS), Database Management System (DBMS), Computer Networks (CN)

Tools

Git, GitHub, VS Code, Postman