



Sarthak Vats

Bachelor of Technology
in Civil Engineering | CSE Minor
Indian Institute Of Technology, Ropar

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GitHub | **Personal Portfolio**
LinkedIn

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.37/10 (Till 6th Sem)	2020-2024
Senior Secondary	Central Board of Secondary Education	96%	2020
Secondary	Central Board of Secondary Education	96%	2018

EXPERIENCE

- Truminds Software Systems** *June 2023 - July 2023, Gurugram*
Backend Developer Intern, [TechStacks- JAVA Core, SpringBoot,JPA, Postgresql] **Certificate**
 - Created complete backend in JAVA SpringBoot from scratch for a new module within the TruMIS web application called **Asset Management**- intended to keep the track of asset allocation to employees.Implementing Apis- CRUD operations, coupled with the incorporation of JPA queries to fetch the required results from databases.Microservices Testing and Debugging.
- Jee Carnot** *June 2021 - August 2021, Remote*
Growth Hacker Intern **Certificate**
 - Suggested Growth Hacking strategies aiming to grow company's market size. It comprises of content writing, market research and analysis of SEO tools,track of competitive analysis and suggestion of unique keywords for better SEO ranking.

PROJECTS

- EchoConnect- Personal Social Media Web Application** *Live Site*
ReactJS, NodeJS,ExpressJS,MongoDB- MERN Stack **Github Link**
 - Designed a user-friendly social media platform with dynamic timeline posts, interactive liking, and commenting features. The platform includes a sidebar for easy access to chats and group interactions, as well as a dedicated section for viewing online friends and user profiles, ensuring a seamless user experience.
- Sorting Algorithm Visualizer** *Live Site*
HTML, CSS,Javascript, Data Structure and Algorithm **Github Link**
 - Built a ReactJS app to visually analyze six sorting algorithms' complexities using interactive histograms, enabling users to adjust parameters for performance evaluation in various scenarios.
- University Student Managemenet System** *Live Site*
Java SpringBoot, ThymeLeaf Templates(HTML,CSS,Bootstrap),Postgres Databases **Github Link**
 - Developed a Maven-SpringBoot server app for University-Student database schema analysis where student can manages the courses offered/enrolled. Utilized ThymeLeaf templates for the frontend and Postgres for the database.
- AudioTone- My Music Clone Web** *Live Site*
HTML, CSS, Javascript **Github Link**
 - Created a complete responsive UI of a Music Clone where users can create, listen and navigate through their songs-playlist.
- Minor Projects**
 - Simon Game**- Generates tones and lights, requiring users to replicate the sequence to progress levels. **Live Site** **Github**
 - Drum Kit Game**- Generates variety of musical sounds when pressed against the buttons **Live Site** **Github**

SKILLS

- Programming Languages:** C/C++ (Data Structures), HTML, CSS , Javascript, Node.js, React.js, Java
- Frameworks and Libraries :** Bootstrap, jQuery, Expressjs(Node.js),Postgresql,Mongoose(MongoDB), SpringBoot, JPA
- Software/ Developer Tools:** VS Code, MATLAB, Sublime Text, Eclipse, PGAdmin,PostMan,Atom, Hyper, Git, Github, Studio3T, TinkerCad

KEY COURSES TAKEN

- Computer Science, Maths, Electronics:** Introduction to computing and Data Structure, Calculus, Computer Vision, Computer Networks, Operating System, DBMS, Vector Algebra, Differential Equations, Probability and Statistics, Basics of Electronics, Economics, Consult101
- Online Learning | Web Development Course:** Completed full stack web development course by Udemy **[Certificate]**

POSITIONS OF RESPONSIBILITY AND ORGANISATION

- Student representative**,CDPC, Placement Cell IIT Ropar *Dec. 2021- present*
- Engagement Manager**,ShARE-Growing Next Generation Leaders, IIT Ropar Chapter **[Certificate]** *May. 2022 - May 2023*
- ISMP Mentor and Content Writer**,Institute Student Mentorship Program, IIT Ropar **[Certificate]** *Oct- 2021, present*

ACHIEVEMENTS

- Competitive Programming:**
 - Codeforces-Rated as Pupil (max Rating-1217) - **Handle** | Codechef- Rated as 3star (max Rating-1782) - **Handle**
- Panasonic Ratti Chhatra Scholarship**,Nationwide programme initiated by Panasonic to top **30 students** across all IITs *2020*
- 2nd RunnerUp in Case Study Competition(Team Leader)** ,conducted by Fincom in General Championship'22 *2022*
- Institute Merit Scholarship Award** ,Awarded Institute MCM for being top 25% of the batch *2022*