Sarthak Vats
Bachelor of Technology
in Civil Engineering
Indian Institute Of Technology, Ropar

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GitHub | Website
LikedIn

EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.38/10 (Till 4th Sem)	2020-2024
Senior Secondary	Central Board of Secondary Education	96%	2020
Secondary	Central Board of Secondary Education	96%	2018

EXPERIENCE

- **Aten Vectures LLC** *December 2021 - January 2022*
  Technical and Business Consultant Remote
  – Worked in a team of three and engaged in market research and brainstormed to come up with some innovative ideas for the Applications of Artificial Intelligence, IoTs and Blochain technology in the fields of Education,Media and Entertainment
  – explored the different marketing channels and developing user personas for a B2C company

- **Jee Carnot** *June 2021 - August 2021*
  Growth Hacker Remote
  – learned to propose and suggest some Growth Hacking strategies aiming to grow its market size and grow its students' community. It also comprises of market research and analysis of SEO tools and have a track of competitve analysis . Moreover, I managed to add some valuable content over the official website for better SEO ranking.

PROJECTS

- **The Simon Game** *June 2022- June 2022*
  Team, IIT Ropar **Link**

  – Integrating HTML, CSS, javascript, and jQuery, collaborated in a team of two to develop Simon game front-end that generates a succession of tones and lights and asks the user to repeat the sequence in order to advance levels.

- **Drum Kit Game** *June 2022- June 2022*
  Individual **Link**
  – Using HTML, CSS, Javascript, and the Bootstrap framework, implemented a drum-kit game model that generates variety of musical sounds when pressed against the buttons.

- **Screen Time Management and Posture Correction** *Jan 2022- April 2022*
  Team, IIT Ropar **Link**
  – Collaborated with my team of 3 in making a project report that outlines the need of addressing the issue of improper posture during prolonged working hours and presented some effective solution of designing a software that monitors our sitting postures and gives necessary judgements.

- **Solar Development in rural areas** *July 2021- Aug 2021*
  Individual **Link**
  – During my learning with ShARE, I researched the present estimated potential of Solar Power and analyzed the developments and investments made by the Government so far to improve India's energy standards and Gov. future plans. I explored the current Energy profile trends, derived efficacious conclusions, studied the problems in achieving the targets, and suggested legitimate solutions to the issues.

- **E-shop stop** *May 2021 - May 2021*
  Individual **Link**
  – Designed a websites of a e-commerce platform that connects the users and the local retailers. Local retailers would list their items and get can a powerful reach.In a similar way customers also get a wide range of choices at a reasonable rates

SKILLS

- **Programming Languages**: C, C++, HTML, CSS , Javascript, Nodejs
- **Frameworks and Libraries** : Bootstrap, jQuery, Expressjs(Node.js)
- **Software/ Developer Tools**:MATLAB, Sublime, Atom, Hyper, Git, TinkerCad
- **Extra Curricular**:Dramatics, Public Speaking, Leadership and Management, Content Writing, Problem Solving

KEY COURSES TAKEN

- **Computer Science, Maths, Electronics**:Introduction to computing and Data Structure, Calculus, Vector Algebra, Differential Equations, Probability and Statistics, Introduction to electrical engineering, Basics of Electronics, Economics
- **Management Consulting and Data Science**: Consult101
- **Online Learning | Web Development Course**: Currently pursuing a full stack web development course by Udemy

Positions of Responsibility And Organisation

- **Student representative**,CDPC, Placement Cell IIT Ropar   *Dec. 2021- present*
- **Engagement Manager**,ShARE-Growing a new generation of leaders, IIT Ropar Chapter   *May. 2021 - present*
- **Coordinator - Undekha**,Dramatics Club, IIT Ropar   *Oct. 2021 - present*
- **ISMP Mentor**,Institute Student Mentorship Program, IIT Ropar   *Oct- 2021, present*
- **Active Member**,Fincom, Finance and Commerce Club IIT Ropar   *Nov. 2020 - present*
- **Content Writer**,Institute Student Mentorship Program, IIT Ropar   *Oct. 2021 - Dec 2021*
- **Event Management and Anchoring Team**,Zeitgeist, Annual Cult fest IIT Ropar   *Feb. 2021 - April 2021*

Achievements

-
   Competitive Programming:
   ,–>Codeforces-Rated as Pupil (max Rating-1217) -   ***Handle***
   –>Codechef- Rated as 3star (max Rating-1728) -   **Handle**

- **Participated in Google Coding Competitions - HashCode, Kickstart and Codejam** ,   *2022*
- **1st Prize winner in MonoActing Competition under General Championship'22**,   *2022*
- **2nd runner up in Case Study Competition under General Championship'22**,   *2022*
- **Participated in FrostHack'21,IIT Mandi National Level Hackathon** ,   *2021*
- **Panasonic Ratti Chhatra Scholarship**, Nationwide programme initiated by Panasonic India to 30 Students across all IITs *2020*
- **Institute Merit Scholarship Award** ,Awarded Institute MCM for being top 7% of the batch   *2020-24*
- **Secured a rank of 24 in UPSEE Examination** ,   *2020*
- **School Topper in Class 12 (96% marks)**,   *2020*