Sarthak Goyal
Third year undergraduate
Department of Earth Science

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Academic Qualifications

| Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.S	Indian Institute of Technology, Kanpur	7.3/10
2019	CBSE(XII)	St. Andrews Public School, Agra	78%
2017	CBSE(X)	St. Andrews Public School, Agra	10 CGPA

Achievements

- An upcoming **intern** as **software analyst** at **Goldman Sachs** for the summer of 2023
- Secured **All India Rank 9194** in **JEE Advanced 2020** among the 1.2 Lakh shortlisted candidates.
- Achieved **second position** in UttarPradesh **under-13 state chess championship** competing against 50 top players of state
- Achieved **third position** in **under-19 U.P. state chess championship** at the **age of 13** among hundreds of participants

Key Projects

- **Campus Discuss, Mobile Application** | Programming Club, IIT Kanpur ⏺ Github   *May'21- July'21*
  - Developed a **mobile application** to improve students quality of life by providing a forum where they share their thoughts
  - Implemented **backend** of web application in **Python on Django** to process **fetched data** and link pages and components
  - Implemented **Frontend** in **React Native** by using **Typescript** to design and develop the **Profile page** of the application
- **E-commerce website** | Self project ⏺ Github   *Jan'22-March'22*
  - Developed an e-commerce **website** to facilitate sales of products developing the **HomePage**, **Shop page** and **login** pages
  - Implemented **ReactJS** to make the **structure** of the website and **Firebase authentication** to register current user
  - **Mapped information** of products to display them on the shop page and implemented **routing** to link each page
- **To-do List** | Self project ⏺ Github   *June'21-June'21*
  - Developed a **website** to keep track of day-to-day work that is capable of storing task that need to be completed any day
  - Implemented **express** framework in **NodeJs** to run the server and **EJS** to send data back to client and add dynamic content
- **Exploring React in Java-script** | Self Project   *March'22-April'22*
  - **Monster Rolodex:** Developed a **webpage** in **React** showing details of monsters mapped using data fetched from an **API**
  - Wrote a function that **filter** out monsters from consideration bases on their names and display them accordingly
  - **Register Page:** Developed a mobile application in **React Native** framework as part of an assignment for a test
  - Stored the user's data in an **API-provided database** and utilised it to determine whether the user was a new one

Work Experience

- **Development Intern, Redopact** ⏺ Github   *Oct'21- Jan'22*
  - Worked as a **lead Frontend developer** for an e-commerce based startup to develop their website from ground zero
  - Collaborated with a team of 5 to develop various pages and functionalities like, **Product page**, **add to cart section** etc
  - Used **Bootstrap** library to make sliders and carousels. Used **CSS** to create custom cards and to customise the sliders
- **Development Intern, Tussle fit**   *Sept'22- Oct'22*
  - Worked as a **Backend developer** for a fitness based startup to develop **server side** code in their website using **webflow**
  - Developed an IP address tracker using **Node JS** and **jquery** which updates the website based on the location of the user
  - Collaborated with another intern to develop certain pages and adding **dynamic components** in the website using **webflow**

Technical Skills

- **Programming Languages:** C, C++, HTML, LaTeX, Python, JS, Typescript, CSS, SASS
- **Software and Libraries:** Git, React Native, Numpy, Pandas, Matplotlib, React, NodeJS, Express, Bootstrap, Pygame, SQL

Positions of Responsibility

- **Student Guide, Counselling Service Team**   *May'21-May'22*
  - Mentored **6 freshmen** in acclimatizing to the institute environment and helped them with academic and emotional issues
  - Helped them with their academics by arranging meetings with their mentors and still maintain a good rapport with them
  - Coordinated with the Counselling Service and helped in the organisation of **Orientation Programme 2022**

Relevant Courses   ** Online courses*

Fundamentals of Computing	Linear algebra	Real Analysis
Probability and Statistics	Data Structure and Algorithms*	Introduction to Quantum computing*
Introduction to Electronics	Abstract Algebra	Thermodynamics

Extra curricular

- Represented IIT Kanpur contingent as a member of **chess team** in **inter IIT sports meet 2022**
- Finished in **Second place** in the Yippee **Quiz Competition** which only included the top selected schools
- Won IITK **Chess league'22** and IITK **Fresher's League'21** among more than **hundred participants**
- Participated in a **6km run** organised by **Vibrant Academy** to promote **green India** movement in 2019
- Participated in inter-school **cricket tournament** and finished in **second position** among 8 teams