



Sonu Kumar Shaw
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EDUCATION

Degree/Certificate	Institute/Board	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	2020-Present
Senior Secondary	CBSE Board	2020
Secondary	ICSE Board	2018

PROJECTS

- Realtime Chat Application using MERN stack** June 2022
Self project / Fullstack Web Development Github
 – Developed a real-time chat application using **Node.js** and **Express.js** and communication using **Socket.IO**.
 – Users can log in/create a new account and customise their profile by adding an avatar from a list. Upon login, the chat container shows a list of registered users to start a one-to-one chat.
 – The frontend was implemented using **React**, **MongoDB** as database and **bcrypt** for password hashing.
- CodeEasy - Online Code Editor** Dec. 2021 - Jan. 2022
Self project / Frontend Web Development Github
 – Developed an online code editor for HTML, CSS and JavaScript code snippets.
 – It has functionalities such as syntax highlighting and reflects real-time code changes.
 – Used **React** and **CodeMirror** library for implementing the code editor.
- Personal Portfolio Website** Sep. 2021 - Oct. 2021
Self project / Frontend Web Development Github
 – Developed a **fully responsive**, static website with **excellent user experience** using HTML, CSS, JavaScript.

TECHNICAL SKILLS

- Programming:** C/C++, JavaScript, Python*
- Web Technologies:** HTML, CSS, React.js, Node.js, Express.js, WebSockets*
- Database Management:** MySQL, MongoDB
- Miscellaneous:** Git, GitHub * Elementary proficiency

KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Single & Multi variable Calculus, Partial Differential Equations, Real Analysis, Complex Analysis, Discrete Mathematics*
- Computer Science:** Introduction to Computing, Data Structures and Algorithms* * Ongoing

POSITIONS OF RESPONSIBILITY

- Senior Executive**, E-Cell, IIT Guwahati Apr. 2021 - Apr. 2022
 – Worked as an event executive conducting various workshops, lecture series and entrepreneurial events.
 – Ideated and created a community for people interested in Entrepreneurship.
 – Moderated Scavenger Hunt, a treasure hunt with entrepreneurial insights for 700+ participants.
- Manager**, Udgam 2022, IIT Guwahati Sep. 2021 - Jan. 2022
 – Ideated and successfully organised an Internfair for the campus with 60+ startups and 1.3k student registrations.
 – Led a team of 12 Associate Managers responsible for conducting various events under Udgam.

ACHIEVEMENTS

- Joint Entrance Examination 2020:** Qualified JEE (Advanced) among 1.14 million candidates.
- Young Scientist Talent Test:** Received merit certificate from Sri Chaitanya Educational Institutions, India and Uni Global Technologies Inc, USA, in 2017-18.

EXTRACURRICULAR

- YUVAAN - IITG Mars Rover, Robotics Club:** Worked on autonomous task under AI module 2022
- Washeesy, Techevince:** Ideated a solution with a revenue model to the campus's laundry problem. 2022
- Startup Case Study, E-Cell:** Presented a report on the campus startup Travel Triangle. 2021
- IIT2020, PanIIT USA:** Attended two day virtual summit on technology, innovation and global economy. 2020
- ENDURO, Voice Pune & IIT Kharagpur:** Personality development workshop. 2020