



# Naveen Kalwan

Roll No.:210123084

B.Tech - Mathematics and Computing

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Github | Website

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.01 (Current)	2021-Present
Senior Secondary	CBSE Board	95.6%	2021
Secondary	ICSE Board	96.6%	2019

## PROJECTS

### • Multi-Functional Chrome Extension

*Personal Project*

Github

- Built a chrome extension using HTML, CSS, and JavaScript.
- Implemented features such as calculator, alarm, website blocker, browsing time tracker, random joke, motivational quote display, and a user-friendly to-do list.
- Integrated APIs to fetch jokes and quotes.

### • Real-Time Chat Application

*Group Project*

Github

- Created a real-time chat platform using HTML, CSS, Node.js, and Socket.IO that enables user to join group conversation by name, sending and receiving messages instantly.
- Integrated sound notifications to play tunes upon new message arrival, enhancing user experience.
- Organised the Node.js code using Express.js for different server-side communication and structured the client-side code using JavaScript Modules.

### • Weather Website

*Nov. 2018 - Dec. 2018*

*Personal Project*

Github

- Developed a website using HTML, CSS, JavaScript, API which take location by city from user and provide weather information of that city (through API).
- Provide information such as Temperature, Weather Description, Humidity, Wind Speed, etc.
- Background Image will change according to Location (through API).

## TECHNICAL SKILLS

- **Programming:** C/C++, Javascript, Python\*
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, Node.js, React.Js\*
- **DataBase Management:** SQL, MongoDB
- **Miscellaneous:** Socket-io, Express.Js
- **Operating Systems:** Windows

*\* Elementary proficiency*

## KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes, Financial Engineering I
- **Computer Science:** Data Structure and Algorithm, Design and Analysis of Algorithms(+Lab), Digital design, Computer Organization and Architecture, Database Management Systems(+Lab)

## POSITIONS OF RESPONSIBILITY

- **UG Senator**, Senate Member

*Mar. 2023 - Mar. 2024*

## ACHIEVEMENTS

- **Jee Advanced Rank**, Secured 17806 out of 2.5 Lakhs candidates *2021*
- **Jee Mains Rank**, Scored 98.2 percentile out of 12.5 Lakhs candidates *2021*
- **Codeforces**, Highest Rating 1040
- **HackerRank**, 5 start on Problem Solving
- **NTSE**, qualified both stages *2019*
- **KVPY**, qualified for Interview *2020*
- **Branch Change**, from ECE to MnC