



# Kesh Pratap Singh

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B.Tech - Chemical Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.61 (Current)	2021-Present
Senior Secondary	CBSE Board	95.4%	2021
Secondary	CBSE Board	95.8%	2019

## PROJECTS

### • Chatbook

*Coding Club, IIT Guwahati*

[Github](#) | [Website](#)

- Developed a real-time messaging application that enables users to instantly send and receive text messages.
- Users can access publicly accessible chat rooms that allow users to join groups aligned with their respective interests, enabling them to chat with others in that room.
- Technologies leveraged in this project were **Socket.IO** for real-time messaging capabilities and **NodeJS** for the backend infrastructure.

### • Blog-Site

*Personal Project*

[Github](#) | [Website](#)

- Developed a blog website that allows users to create, edit and delete blog posts.
- Implemented user authentication to authorize users to manage only their own blog posts. However, all users can view blog posts created by other users.
- Technologies used **HTML**, **CSS** and **JavaScript** for frontend development, **NodeJS** is used as a backend technology along with **EJS** for templating, **MongoDB** for the database.

### • WeatherCast

*Personal Project*

[Github](#) | [Website](#)

- Developed an application that allows users to retrieve the current weather conditions of the selected location using the **OpenWeatherMap API** and provides real-time weather data.
- It provides weather details such as current temperature, humidity, perceived temperature, and wind speed.
- Technologies used includes **HTML**, **CSS** and **JavaScript** which enables the application to dynamically changes its background imagery in correspondence with the current weather conditions.

### • To-Do-list

*Personal Project*

[Github](#) | [Website](#)

- Developed a daily task scheduler capable of creating and handling multiple dynamic lists corresponding to each task related to different areas of day-to-day life as per the user's discretion.
- It implements dynamic routes to create different To-Do lists on different routes using **Express** route parameters.
- **NodeJS** is used as a backend technology along with **EJS** for templating. The web app is using **MongoDB** to store and retrieve various lists.

## TECHNICAL SKILLS

- **Programming:** C/C++, JavaScript, Python\*
- **Web Technologies:** HTML, CSS, Bootstrap, Express, EJS, NodeJS\*, ReactJS\*
- **Database Management System:** MySQL, MongoDB\*
- **Miscellaneous:** Git, MATLAB\*

\* Elementary proficiency

## ACHIEVEMENTS

- **JEE Advanced:** Secured All India Rank in **Top 8%** among **0.15** million candidates. 2021
- **JEE Main:** Secured All India Rank in **Top 2%** among **1** million candidates. 2021
- **Scholarship By Dakshana Foundation:** For being among the **Top 300** students of all Navodaya Vidyalayas. 2019
- **RMO:** Qualified PRMO and participated in the Regional Mathematical Olympiad-2019. 2019
- **SOF-IMO:** Secured International Rank **794** and Zonal Rank **74** in the finals. 2016

## RELEVANT COURSES TAKEN

- **Computer science:** Data Structures & Algorithms, Introduction to Computing (Theory and Lab)

## EXTRACURRICULAR ACTIVITIES

- Represented Disang hostel **Kho-Kho** Team as Vice Captain and **Carrom** Team as Captain in the Inter-hostel Sports competition, **Spardha-23**.