Aditya Bhushan

Roll No.:210102004
B.Tech - Electronics and Communication Engineering
Minor in Computer Science and Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.58 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	8.5 (Current)	2022-Present
Senior Secondary	CBSE Board	89.8%	2021
Secondary	CBSE Board	92.8%	2019

PROJECTS

- **MERN based Chat-App** *June 2023-July 2023*
  Coding Club, IIT Guwahati Github | Website
  – Developed **MERN stack** based chat app with real time messaging feature and having one to one chat and group chat facility
  – Built the user interface with **React** and **Tailwindcss**. Used **MongoDB** for efficient data storage and designed schema for users, messages and chat data
  – Used **Socket.io** to implement real time messaging functionality and to show typing status in chatbox

- **Sorting Visualiser** *Jan-2023*
  A website that helps users to visualise various sorting techniques Github | Website
  – User can visualise Selection Sort, Insertion Sort,Bubble Sort and Merge Sort
  – Used JavaScript to implement sorting algorithms and used setTimeout function to show partitions and swaps between elements

- **Weather Website** *Dec-2022*
  A website that fetches data from Weather API and give response according to location of user Github | Website
  – show various weather parameters like temperature, weather description, humidity, sunrise time, wind speed fetched from API according to search/location of user
  – Also show background image(fetched from API) according to search of user
  – Technologies used HTML, CSS, JavaScript, APIs

TECHNICAL SKILLS

- **Programming**: C/C++, JavaScript, Python*
- **Web Development**: HTML, CSS, Bootstrap, jQuery, Tailwindcss, React, Node.js
- **Miscellaneous**: Express.js, Socket.io, Mongoose, Git
- **Database Management System**: MySQL, MongoDB
- **Operating system**: Windows, macOS* ** Elementary proficiency*

KEY COURSES TAKEN

- **Computer Science**: Introduction to Computing(Theory & lab), Theoretical Foundations of Computer Science, Data Structures and Algorithms, Digital Logic and Computer Architecture*
- **Mathematics**: Linear Algebra, Basic Calculus, Probability & Random Processes ** to be completed by Nov 23*

ACHIEVEMENTS

- **Competitive Programming**: Specialist on Codeforces(**max rating 1418, id: adityabhushan6i5**) and 3-Star on Codechef(**max rating 1632, id: bhushan6i5**)
- **Global rank 72**: in Codechef Starters 58 and **Global rank 108** in June Long One 2022
- **JEE Advanced 2021**: Secured **AIR 1713** amoung 1,40,000+ candidates appeared
- **Qualified IOQM 2021**: and got selected for INMO 2021
- **KVPY Scholar**: Secured **AIR 1252** in KVPY 2021 conducted by IISc Bangalore
- **JEE Mains 2021**: Secured **AIR 1503** amoung 1 million+ unique candidates appeared and **100 percentile in Physics**
- **Top 0.1% in 10th board(CBSE)**: Scored **100/100** in Mathematics and got the certificate of merit from CBSE

POSITION OF RESPONSIBILITY

•**Events Team**: in Alcheringa 2022(cultural fest of IIT Guwahati)	Dec. 2021 - mar. 2022
•**Marketing Team**: in Alcheringa 2022(cultural fest of IIT Guwahati)	Dec. 2021 - mar. 2022