Aditya Bhushan

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B.Tech - Electronics and Communication
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.51 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	7.0 (Current)	2022-Present
Senior Secondary	CBSE Board	89.8%	2021
Secondary	CBSE Board	92.8%	2019

PROJECTS

- **Sorting Visualiser** *Website Link*
  Github
  This website will make users to visualise various sorting techniques.
  – Made Histogram using own array or the input given by User.
  – User can visualise Selection Sort, Insertion Sort,Bubble Sort and Merge Sort.
  – Used setTimeout function to show delay between Swaps and partition in case of merge sort.
  – Used own version of Merge Sort to implement it in javaScript to showcase the partition and swaps at various stage.
  – Technologies used: HTML,CSS,JavaScript.

- **Weather Website(Group Project)** *Website Link*
  Github
  The website fetch data from Weather API and give response according to location of user.
  – Used basic HTML,CSS to decorate the Site.
  – Technologies used HTML, CSS, javaScript, APIs.
  – If user allows its location access then add latitude and longitude parameter in API else add city parameter given by user and then convert the response into Json file and show various weather parameters like temperature,weather description,humidity,sunrise time,wind speed etc.
  – Also show background image(fetched from API) according to search of user.

- **Codeforces Submission Notifier(chrome extension)** *Website Link*
  Github
  This website will pop up wrong or success message on every new submission.
  – Technologies used HTML,CSS and made manifest.Json file to use it as chrome extension.
  – Sometimes, when large number of contestants are there, submissions got stuck in queue and doesn't show whether it is correct or not in that case user can use this extension and move to another question and when results are out extension will pop up the result.

TECHNICAL SKILLS

- **Programming**: C/C++, JavaScript,Python*.
- **Web Development**: HTML, CSS, Bootstrap, React, Node.js.
- **Miscellaneous**: Express.js, Socket.io, EJS, LaTeX*.
- **Database Management System**: mongoDB, Mongoose.
- **Operating system**: Windows, macOS, Linux. ** Elementary proficiency*

KEY COURSES TAKEN

- **Mathematics**: Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes*.
- **Computer Science**: Introduction to C, Automata Theory, Data Structures and Algorithms*. ** ongoing courses*

POSITIONS OF RESPONSIBILITY

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

ACHIEVEMENTS

- **JEE Advanced 2021**: got **AIR 1713** out of 2.5 lakhs unique candidate appeared in JEE Advanced 2021.
- **JEE Mains 2021**: got **AIR 1503** out of 12.5 lakhs unique candidate appeared and **100 percentile in Physics**.
- **Top 0.1% in 10th board(CBSE)**: got **100/100** in Mathematics in 10th board exam and got the certificate of merit for being in **top 0.1%** from CBSE.
- **Qualified IOQM 2021**: and got selected for INMO 2021.
- **KVPY Scholar**: got **AIR 1252** in KVPY 2021 conducted by IISc Bangalore.
- **Pupil with highest rating 1202**: at Codeforces.
- **Division 2 coder**: at codechef with highest rating of **1621** and 6 star coder at Hackerrank in problem solving.