



Anushka Sinha

Roll No.:220104015

B.Tech - 2022-2026 Civil Engineering

Indian Institute Of Technology, Guwahati

+91-8817621427

anushka.sinha@iitg.ac.in

prathaagrawal97@gmail.com

Github

linkedin.com/in/anushka-sinha-09606b267

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.71 (Current)	2022-Present
Senior Secondary	CBSE Board	92%	2022
Secondary	CBSE Board	94.0%	2020

PROJECTS

- **IITGAnswerHive** July. 2024
Coding Club Github
 - A knowledge-sharing platform with features of asking questions, providing answers, upvoting and downvoting posts.
 - Users can upload images and filter questions based on custom or pre-defined tags like hostel, department and clubs.
 - Used **MERN** stack and Outlook authentication.
- **Productivity Tracker** June. 2024
Group Project Github
 - Developed Productivity Tracker, a chrome extension to maximize efficiency using HTML, CSS, and JS.
 - Implemented features to monitor website visits, offer break reminders, block sites, and provide daily activity reports.
- **Algorithm-visualizer** Jan 2024
Personal project Github | Website
 - Used different types of sorting method to illustrate the **Sorting Algorithm** along with their code.
 - Dijkstra's Algorithm, **A*** Search algorithm, **BFS** (Breadth First Search) algorithm, and **DFS** (Depth First Search) algorithm were used to demonstrate **Path Finding**.
 - Executed the **TRIE** and **Binary Search Tree** visualization
- **Antahsagari - an AUV** April 2023 - Ongoing
4i Labs - IIT Guwahati Github
 - Designed and implemented software **packages for the AUV** using **ROS framework** to enable precise motion control.
 - Created **simulation of a UUV** and developed a **PID controller** using ROS to optimize the stability of the vehicle.

TECHNICAL SKILLS

Programming languages: C++, C, Python*

Miscellaneous: Git, ROS, Github, Figma, SQL*

Web Technologies: HTML, CSS, JS, MERN stack

Operating Systems: Windows

* Elementary proficiency

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra, Basic Calculus, Multi-variable Calculus ,Differential Equations
- **Computer Science:** Introduction to Computing(Theory & Lab) , Data Structures and Algorithms

COMPETITIVE PROGRAMMING

- **Codeforces:** max rating of **1231**(Pupil) Handle: anushkaaa34
- **CodeChef:** Achieved highest rating of **1519** Handle: anushkaaa34

POSITIONS OF RESPONSIBILITY

- **Control Head**, Antahsagari project , 4i Labs IIT Guwahati 2024
- **City Representative,Sagar**, Brought up over 200+ student registration in Technothlon 2023. 2023

ACHIEVEMENTS

- **UBER She++ 2024**, secured rank in top 100 in India among female candidates 2024
- **JEE Advanced 2022**, Secured rank in top 1% among 0.25 million candidates appearing for the test 2022
- **JEE Mains 2022**,Secured rank in top 0.2% among 1 million candidates appearing for the test. 2022

EXTRACURRICULARS

- **WeForShe 2024**,Participated in Hackathon organised by Myntra 2024
- **Kriti**,Participated in Inter Hostel Tech Competition in **Software Development** Problem Statement 2024
- **Kathak Dance**, Completed my Graduation of 6 years from **Raja Maan Singh Tomar University** , Gwalior 2020
- **NCC**, Completed the National Cadet Corps A-certificate program. 2019