



Aditya Trivedi

Roll No.:190101005

B.Tech - Computer Science and Engineering

Minor in Product Design

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Major	Indian Institute of Technology, Guwahati	9.44	2019-Present
Minor	Indian Institute of Technology, Guwahati	10.00	2020-Present
Senior Secondary	CBSE Board	96.6 %	2019
Secondary	CBSE Board	10.0	2017

RESEARCH EXPERIENCE

- MIST Lab, Polytechnique Montréal** Apr. 2021 - Present
Research Intern Virtual
 - Developing a Software-In-The-Loop for simulation of CogniFly drones.
 - Modified existing MSP Python interface to work with TCP signals.

PROJECTS

- "graph.gg" - Graph Network Visualiser** git.io/graphgg | [Live Website](#)
Group Project
 - Built a **Django** based web-app to visualise network relationships between Indian celebrities through graphs.
 - Implemented visualisation of Shortest-Path, Mutual Friends and Friend Recommendations.
 - Scraped Wikipedia data and built **Neo4J** graph DB which was visualised using **React** libraries.
- BTP & Research Intern Portal** git.io/Shodh
Students' Web Committee, IIT Guwahati
 - Developed A **Django** web-app to manage allotment of B.Tech Projects & Research Interns.
 - Added functionality of searching projects & opportunities by name, tag and branch.
- Placement Portal** git.io/placeEZ
Computer Science and Engineering Association, IIT Guwahati
 - Created an **Android** app for students, placement cell and employers to manage placement activities.
 - Implemented various filters such as location, minimum CPI, etc. for applicants to find perfect opportunity.

ACHIEVEMENTS

- Awarded **POINT Summer Research Scholarship** by Polytechnique Montreal. 2021
- Creative Shock 2020 **World Rank 33** among 2000+ participants. 2020
- Aditya Birla Scholarship** 2019 (shortlisted) Among **Top 35** in India to be shortlisted. 2019
- Secured **All India Rank 439** in JEE Advanced among 1,60,000 candidates. 2019
- Secured **All India Rank 689** in JEE Main among 11,47,000 candidates. 2019
- Secured **All India Rank 3** in Technothlon Prelims, IIT Guwahati. Also the City and State Topper. 2018

COMPETITIVE PROGRAMMING

- Rated *Expert*, Max Rating **1762**: on Codeforces. codeforces.com/profile/trivedi
- Rated 4-★, Max Rating **1985**: on CodeChef. codechef.com/users/adityat25
- World Rank 5** out of 866 Teams in Codemates x1, a contest held on CodeChef.
- World Rank 71** out of 12000+ participants in CF Round 690, a contest held on Codeforces.
- World Rank 178** out of 17000+ participants in CF Round 713, a contest held on Codeforces.

TECHNICAL SKILLS

- Programming:** C, C++, Verilog*, Python*
 - Web Development:** Django*, React*, HTML, CSS
 - Miscellaneous:** MySQL, Git, Docker, Neo4J*, Android Studio*
 - Operating Systems:** Windows, Linux
- * Elementary proficiency

COURSEWORK

- CS:** Data Structures & Algorithms[#], DBMS[#], Digital Design, Automata Theory, Computer Architecture
 - Mathematics:** Game Theory, Linear Algebra, Basic Calculus, Discrete Math, Probability & Random Processes
- [#] Theory & Lab

POSITIONS OF RESPONSIBILITY

- Computer Science & Engineering Association**
 - Technical & Events Executive: Responsible for organising CSEA Events & Talks. 2021-Present
 - Technical Manager: Organised Lectures, Hackathons, Coding contests for IITG community. 2020-2021
- Technical Secretary, Uniam Hostel:** Responsible for overall management of Hostel. 2021-Present
- Core Member, Acumen:** Organised and participated in various quizzes as part of Quiz Club. 2021-Present

EXTRA CURRICULARS

- Mentor, CSEA:** Mentored 5 Freshmen of CSE department of IIT Guwahati. 2020-Present
- Inter-IIT Cult Meet 2019:** Represented institute in Quiz & Debate Events at IIT Bombay 2019
- Kriti 2019, Inter Hostel Tech. Competitor: Gold in General Quiz, Silver in Case-Study 2019