



# Aditya Trivedi

Roll No.:190101005

B.Tech - Computer Science and Engineering

Minor in Product Design

Indian Institute Of Technology, Guwahati

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Github | Website

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	9.44 (Current)	2019-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	10.0 (Current)	2020-Present
Senior Secondary	CBSE Board	96.6%	2019
Secondary	CBSE Board	10.0	2017

## RESEARCH EXPERIENCE

- **MIST Lab, Polytechnique Montréal** Apr 2021 - Aug. 2021  
*Research Intern* Virtual
  - Subject: Development of S.I.T.L Simulator for CogniFly
  - Developed software for a Software-In-The-Loop for simulation of CogniFly drones

## PROJECTS

- **"graph.gg"** Jan. 2021 - Apr. 2021  
*Personal Project* Github | Website
  - A graph network based web-app to visualise relationships between Indian celebrities.
  - Scraped Wikipedia data and built Neo4J graph DB which was visualised using React libraries
- **Placement Portal** Dec. 2020 - Feb. 2021  
*Computer Science and Engineering Association, IIT Guwahati* Github
  - An Android application for students, placement cell and employers to manage the placement process.
  - Implemented various filters such as location, minimum CPI, etc. for applicants to find perfect opportunity
- **"Shodh" - Intern Portal** Apr. 2021 - May. 2021  
*Students' Web Committee, IIT Guwahati* Github
  - A website to manage allotment of research interns. projects and opportunities which can be used by Students, Faculty and Alumni.

## ACHIEVEMENTS

- Summer Research Scholarship of **CAD\$4000** awarded by Polytechnique Montreal 2021
- Aditya Birla Scholarship 2019 (shortlisted) Among **Top 35** in India to be shortlisted, Mumbai 2019
- **AIR 439** in JEE Advanced among 0.16 million candidates 2019
- **AIR 689** in JEE Mains among 0.94 million candidates 2019
- **AIR 3** City and State Topper, Technothon Prelims, IIT Guwahati 2018

## COMPETITIVE PROGRAMMING

- Max Rating **1952**: on CodeChef <https://www.codechef.com/users/adityat25>
- Max Rating **1700**: on Codeforces 800+ PROBLEMS, 80+ CONTESTS <https://codeforces.com/profile/trivedi>
- **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 21** out of 916 participants in April Starters 2021, a contest held on CodeChef
- **World Rank 34** out of 695 participants in Infinity2k20, a contest held on CodeChef

## TECHNICAL SKILLS

- **Programming:** Python, C/C++, Java
  - **Web Development:** Django\*, React\*, HTML, CSS
  - **Miscellaneous:** Neo4J, OpenCV, Android App Dev.\*
  - **Operating Systems:** Windows, Linux, Macintosh
- \* Elementary proficiency

## COURSEWORK & RESEARCH INTERESTS

- **CS:** Data Structures and Algorithms, DBMS, Digital Design, Automata Theory, Computer Architecture
- **Math:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes
- **Research Interests:** Algorithms, Distributed Networks and Computation, Graph Theory, Information Dissemination and Epidemic protocols, Decentralized Systems

## POSITIONS OF RESPONSIBILITY & EXTRA CURRICULARS

- **Technical Secretary, Umiam Hostel:** Responsible for overall management of Hostel 2021-Present
- **Technical Manager, CSEA:** Organised Lectures, Hackathons, Coding contests for IITG community. 2020-2021
- **Consulting:** secured World Rank 33, Creative Shock 2020
- **Quizzing:** Club Member and Part of Inter IIT Contingent 2019
- **Mentor, CSEA:** Mentored 5 Freshmen of CSE department of IIT Guwahati. 2020-Present
- **QP Team, Technothon:** Part of team who formed Technothon Question Paper. 2019-2020
- **City Representative, Ahmedabad, Technothon:** Pitched about Technothon in various schools. 2019-2020