

Ayush Rathore

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EDUCATION

- Rajiv Gandhi Institute of Petroleum Technology** Jais, UP
(An Institute of National Importance along the lines of IITs)
Bachelor of Technology in Computer Science and Engineering; CPI: $xx.xx^*$ Dec 2020 - Jun 2024
- Burgess English Hr. Sec. School** Bilaspur, CG
Intermediate: $xx.x$ % Matriculation: xx CGPA Jun 2015 - May 2019

EXPERIENCE

- ACM - SC**
Volunteer Work May 2021-Jul 2021
 - Implemented automation scripts to automate bulk emailing leading to 99%+ time savings.
 - Designed the official website of the organisation with a team of 3 peoples.
 - Lectured on Open Source Development, Git, and GitHub and tutored workshop for over 100 attendees.
 - Composed Competitive Programming questions for Coding contests and mentored over 50 students.

PROJECTS

- Dynamic Instructions Calculation** | Tool — Present
 - Finding the total instructions during dynamic execution of a process with 100% precision using GDB.
 - Calculated CPU Burst time using no. of instructions and cycles for each instruction.
- Saarthi - Notes** | Flutter App - Dart — [GitHub](#) Present
 - Developing a **cross-platform** app for buying and selling digital notes.
- RGIPT Attendance Management** | Web App - HTML, CSS, MySQL, PHP — [GitHub](#) 2022
 - Composed a Web App that modernises attendance management to digitally manage attendance of RGIPT.
- Scripts** | Python, Bash — [GitHub](#) 2021
 - Devised scripts for over 10 repetitive & time-consuming process.
 - Automated release/test builds for 2+ projects, simple shortcuts to ease out tasks.
- AR Beast Kernel** | Custom Android Linux Kernel — [GitHub](#) 2018
 - Coded device-specific Thermal control driver in C which reduced heating and increased performance by 10%.
 - Made device-specific Current Control driver in C which improved charging time by 30 min.
 - Built this project for 4 Android Devices which helped over 10000 users reaching over 30,000 downloads.

SKILLS

- Areas of Interest:** Open Source Development, Data Structures, Algorithms, Android
- Languages:** C++, Python, C, SQL, HTML, CSS, JavaScript
- Tools:** Flutter, Django, Git, GitHub

ACHIEVEMENTS

- Contributed to 20+ Open Source Projects with over 1800 contributions on [GitHub](#).
- Solved 200+ Problems, on [LeetCode](#), [GeeksforGeeks](#), [Codeforces](#), and [InterviewBit](#).
- Qualified for the ICPC Regionals 2020 being the top Competitive coding team.
- Awarded RGIPT Merit-Cum-Means Scholarship for the Top 10%* students in the CSE batch.
- Qualified IIT-JEE Advanced 2020, ranking in the top 1.84%.
- Achieved International Rank 15 & Zonal Rank 1 in the International English Olympiad 2017.
- Finalist among 90+ competitors in the CBSE National Science Exhibition.

POSITIONS OF RESPONSIBILITY

- Training and Placement Coordinator** CSE Department, RGIPT
- Core Team Member- KODE Club** Science & Technical Council, RGIPT
- Treasurer** ACM - SC