

Ayush Rathore

✉ xxxxxxx@rgipt.ac.in | ☎ +91-xxxxxxx | 🔗 [LinkedIN](#) | 🐙 [GitHub](#)

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: 8.48* Dec 2020 - Jun 2024
- Burgess English Hr. Sec. School** Bilaspur, CG
Intermediate: 77.8% | Matriculation: 9.8 CGPA Jun 2017 - May 2019

EXPERIENCE

- Dept. of CSE, RGIPT**
Computer Programming (CS101) Tutor Nov 2022 - Present
 - Carried out programming
 - Guided students

PROJECTS

- Saarthi - Notes** | App - Flutter, NodeJS, MongoDB — [GitHub](#)
 - Developed a cross-platform **app** for sharing and selling notes of freely available courses.
 - Implemented the backend in **NodeJS** with **MongoDB** to manage the database.
- Dynamic Instructions Calculation** | Tool - Flask, Python, Bash — [GitHub](#)
 - Devised a tool to find complete instructions analysis during program execution in runtime with 100% precision with **GDB**.
 - Implemented this tool as a web app utilising **Flask**, where one can get analysis using the tool in under 60 seconds.
 - Visualised front end in **ReactJS** to implement an interactive 1 page UI with live status from the backend.
- AR Beast Kernel** | Linux Kernel - Android, C — [GitHub](#)
 - Coded device-specific Thermal control driver in C (500+ lines), which reduced heating and increased performance by 10%.
 - Made device-specific Current Control driver in C (200+ lines), which improved charging time by 30 min.
 - Built this project for 4 Android Devices, which helped over 10000 users and reached over 30,000 downloads.

POSITIONS OF RESPONSIBILITY

- ACM - SC** | Technical Head & Treasurer
 - Automated bulk emailing using automation **scripts**, leading to 99%+ time savings.
 - Designed the official **website** of the organisation with a team of 3 people.
 - Composed **Competitive Programming** questions for Coding Contests contests and mentored over 50 students.
 - Coordinated as the Core-Organising team of 'COSMOS-X', the International Inter-Departmental Fest.
- Science & Technical Council** | Core Team Member- *KODE Club*
 - Lectured on **Open Source Development, Git, and GitHub** and tutored workshops for over 100 attendees.
 - Organised and hosted 3+ events, webinars, and workshops.
- Dept. of CSE, RGIPT** | Training and Placement Coordinator

SKILLS

- Languages:** C++, C, Python, SQL, HTML, CSS, JavaScript
- Tools/Frameworks:** Git, GitHub, Flutter, Docker
- Platforms:** Linux, Web, Windows, Cloud
- Courses:** Databases, Operating Systems, Networking, Computer Architecture, Web Technology

ACHIEVEMENTS

- Contributed to 20+ **Open Source Projects** related to App Development, Custom Linux Kernels on [GitHub](#).
- Solved 200+ Problems on [LeetCode](#), [GeeksforGeeks](#), [Codeforces](#), and [InterviewBit](#).
- Regionalist in the 2020-21 [ICPC Asia Amritapuri Doublesite](#) & [ICPC Asia Gwalior-Pune](#) being the top Competitive coding team
- Qualified for the 2021 [Google CodeJam](#), scoring 59 points.
- Awarded RGIPT Merit-Cum-Means Scholarship for the **Top 10%*** students in the CSE batch.
- Qualified for the **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.