



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH Dual Degree 5Y	IIT Kharagpur	9.23 / 10
2019	CBSE, Class 12	Sarvodaya Niketan	91.0%
2017	CBSE, Class 10	Agrasen DAV Public School	10 / 10

PROJECTS

Food Delivery Software Management System (<https://github.com/aryan57/FDSMS>) **Mar '21**

- Developed a Web Application to provide a platform for food delivery service to the people, a platform for restaurants to offer their services online, and a place for delivery agents to work.
- Created complete documentation for the application, including Class Diagram, Use-Case Diagram, Test Plan & SRS.
- Developed Frontend using HTML, CSS, Bootstrap, and Backend using Flask, and Database hosted on Firebase.

MyShell (<https://github.com/aryan57/os-lab/tree/main/asgn2>) **Mar '22**

- Developed a Shell that runs as an application program on top of the Linux kernel.
- Added a feature which handles interrupts for stopping a process or running it in the background as a child process.
- Implemented running of external commands, i/o redirection, pipe mode, history search, & filename autocomplete.

Railway Reservation System (<https://github.com/aryan57/railway-reservation-system>) **Mar '21**

- Developed a Console Based Application for reservation of railway tickets between defined stations.
- Added features to compute fair for the booking based on the Booking Hierarchy defined by the Railways.
- Used Object-Oriented Programming in C++ for the application.
- Created documentation, UML and diagrams for the application. Test Planning was done.

Photo Sharing App (<https://github.com/aryan57/photo-sharing-app>) **Jun '21**

- Developed a Web Application to provide users a platform for uploading pictures and sharing it with their friends.
- Used ReactJS, Bootstrap for frontend and firebase for NoSQL database, website hosting, and file hosting.
- Used Firebase authentication and added Sign In with Google and Email Sign In features.

COMPETITION/CONFERENCE

- Secured **Global Rank 1** in **Codechef** May Challenge 2021.
- Secured **Global Rank 30** out of 20k+ contestants in **Leetcode** Biweekly Contest 80
- Secured **Global Rank 134, 263 and 298** in **Google Kickstart** Round H, C and G respectively.
- Qualified till **Round 2** of **Google Codejam** 2021, 2022 and **Meta Hacker Cup** 2021.
- Secured **Global Rank 1** in **Codechef** Starters 9.

AWARDS AND ACHIEVEMENTS

- **5 star** with max rating **2131** on Codechef (handle - aryan57)
- **Top 0.46%** with max rating **2359** on Leetcode (handle - aryan57)
- **Expert** with max rating **1856** on Codeforces and max rating **1680** on Atcoder (handle - aryan57)

SKILLS AND EXPERTISE

Languages: Proficient: C, C++ | Familiar: Javascript, Java, Python, MySQL, HTML, CSS
Libraries/Frameworks/Tools: C++ STL, Firebase, ReactJS, NodeJS, Git, Flask, Postman, VS Code

COURSEWORK INFORMATION

- | | | |
|-------------------------|--------------------------------------------------------|------------------------------------|
| • Algorithms* | • Operating Systems* | • Programming and Data Structures* |
| • Software Engineering* | • Computer Networks* | • Probability and Statistics |
| • Compilers* | (* marked courses have a Laboratory Component as well) | |

POSITIONS OF RESPONSIBILITY

Associate Member | Grimoire of Code, IIT Kharagpur **[Jan '20 - Present]**

- Organised competitions on Hackerrank for students to prepare for various competitions.
- Student Mentor at CP Mentor Mentee Program. Actively mentoring students in developing relevant skills in CP.

Student Mentor | Student Welfare Group, IIT Kharagpur **[Nov '21 - Present]**

- Mentoring four students from Computer Science & Engineering department in academic and non-academic fields.

EXTRA CURRICULAR ACTIVITIES

- Taught students in a nearby government schools and also organized competitions for them as a NSS Volunteer.
- Participated in a street play as part of the Annual Winter NSS Camp.