



## Prakhar Gupta

UG (III Year I Semester)  
B.Tech. (Computer Science and Engineering)  
Email : [prakharguptag@gmail.com](mailto:prakharguptag@gmail.com)



### Area of Interest

Data Structures and Algorithms, DevOps

### Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2020	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	9.274
2019	Intermediate (Class XII)	Ess Ess Convent SCH Kamla Nagar Agra UP (CBSE)	90.80 %
2017	Matriculate (Class X)	St. George's College,Agra(ICSE)	93.84 %

### Internships

**Mobile App Developer Intern** | DoxApp by Trinary Health June 2021 - Present

- Developed a mobile App for efficient patient-doctor communication. Brainstormed to come up with a solution that patient need not download our app but can only use its WhatsApp for communicating to the doctor.
- Worked on implementing design, user navigation and features of creating users posts, reviewing posts, in-app chatting, and setting up the state-management solution inside the app.
- Worked to develop an appointment creation and video calling service for patients without sharing doctor's private contact number and delivered the app for both Android and IOS platform.

### Projects

**Mosync** | Mobile Development Group, IIT Roorkee March 2021 - May 2021

- Project aimed to develop a communication bridge between a mobile and desktop clients using client-server model.
- Implemented a GRPC based server, used protocol buffers to send and receive information through unary and bidirectional services written in python. Implemented grpc client in dart as a flutter application for mobile and a grpc client in python, using pyside2 for providing GUI to the desktop user.

**Roosh : Unix-like Shell in C++** | IIT Roorkee February 2021 - May 2021

- The project aimed to develop a Unix-based command-line interpreter, to support Linux operations.
- Implemented core features of parsing user input, building the core Linux command support along with builtin features of guided tutorials to the user, pipes and re-directions.
- UML tools were used to document the analysis and design of a software system.

**IITR Security App** | Mobile Development Group, IIT Roorkee July 2020 - April 2021

- Security App is a system aimed to digitize entry process of outside visitors on all entry gates and departments.
- Implemented the Django based back-end, to develop API's, along with the portal templates for providing visitors data to the administration.

### Awards / Scholarships / Academic Achievements

- Recipient of NSP Award for meritorious students under Central Sector Scheme of Scholarships in 2020 and 2021
- Recipient of ENCORE , IIT Roorkee Award for all-round excellence in 2020
- 2nd prize in SynHacks-Hack the world Hackathon, for Health Innovation in 2020
- Secured ALL INDIA RANK 3646 in JEE ADVANCED 2019
- Secured ALL INDIA RANK 1100 in JEE MAINS 2019

### Skills

Computer languages	C/C++, Dart, Java, Python
Software Packages	VsCode, Android Studio, Linux(Ubuntu), Git and GitHub(VCS),Flutter,Django framework,Firebase services
Additional Courses	Economics, Communication Skills
Languages Known	English(SRW),Hindi(SRW)

### Positions of Responsibility & Extra Curriculars

**Project Manager | Developer** | Mobile Development Group | IIT Roorkee December 2019 - Present

- MDG is the coding, and development club of IIT Roorkee that make sure to follow the best practices in software development.
- Working as Project Manager and tech lead in Mosync, Campus buddy, and IITR Security App at MDG.
- Head of MDG Talks, a platform to interact with professionals from diverse fields of research, startups and corporate area and gather expert opinions via interviews later broadcast as YouTube episodes.
- Active in Hosting events and workshops on behalf of MDG in the campus.

**Member** | National Service Scheme (NSS) | IIT Roorkee July 2019 - June 2020

- Recognised for excellent performance as a member of NGO, Relations and Sponsorship Cell.
- Worked in blood donation camps, collaborated with NGOs and participated various events as Nss Volunteer.