

TUSHAR ROHILLA

B.Tech. Chemical Engineering
UG(II Year I Semester)
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Registration No: B.Tech./CH/18112083/2021

Indian Institute of
Technology
Roorkee



Area of Interest

Android Development | Software Documentation

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	7.412
2018	Twelfth	Modern Delhi Public School, Faridabad (CBSE)	91.8 %
2016	Tenth	Eicher School, Faridabad (CBSE)	10.0

Internships

Minimum Viable Product (MVP) Android Developer | Yojak Inc.

8 March 2020 - 30 March 2020

- Developed a minimum viable product for Yojak Inc based on native **Android SDK** using Java.
- The app was designed on **Figma** and uses **Firebase** as a backend service for data storage and user authentication.

SDE-Backend Internship | Connect2India

15 May 2019 - 30 June 2019

- Worked on Java libraries like **HTTPClient** and **JSOUP** and used them for basic **HTTP operations**.
- Read documentation and implemented **REST APIs** of E-Bay, Shopify, Wish and understood their working (OAuth protocol). Got introduced to tools/frameworks like Spring Boot, Postman and Advanced REST Client (ARC).

Projects

Lookout - AQI Android app | Mobile Development Group, IIT Roorkee

December 2019 - January 2020

- Developed **Android** app which determines the location and **Air Quality Index (AQI)** using two **REST APIs**.
- Google Maps SDK** is used to show the real-time AQI info on a world map. The cities are marked using custom markers.
- Search functionality is added. Parameters like AQI, weather information and precautionary measures are shown.

Docbook - Online Appointment Booking Android app | Productathon 2020

February 2020

- It will provide an online platform where users can connect with the happenings of the hospital via an android app. An app that digitizes the registration process of a hospital.
- Tokens can be booked online only and long queues can be avoided.

Awards / Scholarships / Academic Achievements

- Cleared Round 1 of National Engineering Olympiad (NEO3.0) 2020**
- Ranked 2nd (Runner-up) in Productathon** hackathon 2020 organised by E-Cell IIT Roorkee
- Ranked 2nd (Runner-up) in Sociathon** hackathon 2020 organised by NSS IIT Roorkee
- Recognised as a **Dedicated Volunteer** by **NSS IIT Roorkee** for teaching school students for JEE
- International Rank of 336th** in 2nd Level of **International Mathematics Olympiad (IMO) 2017**
- Ranked 9th in Haryana** state in 1st Level of **International Mathematics Olympiad (IMO) 2017**

Skills

Computer languages	C++, JAVA, Markdown, reStructuredText
Software Packages	Android Studio, IntelliJ IDEA Ultimate, Postman, Figma, Git, Heroku CLI, VSCode Text Editor
Additional Courses Taken	Introduction to Flutter and Dart by Angela Yu London App Brewery
Languages Known	English (SRW) , Hindi (SRW)

Positions of Responsibility & Extra Curriculars

Student Mentor | Student Code-In program

13 June 2020 - Present

- Mentoring students in getting started and contributing to Open Source projects and basics of version control system (Git).

Gensec Council Manager (Android development) | Students' Technical Council

January 2020 - Present

- Involved in developing applications for campus students as well as open to internet.

Undergraduate Teaching Assistant (UGTA) | Academic Reinforcement Program

August 2019 - November 2019

- Guided and mentored a bunch of junior students for the subject of **Computer Applications and Numerical Analysis**.

Website Manager | Student Mentorship Program, IIT Roorkee

February 2019 - Present

- Being a part of the Admin team, we ensured the smooth functioning and execution of the group's activities and events.

Technical Executive | ChESS (Chemical Engineering Student Society)

August 2019 - Present

- Participated in the core decision making of the department body and organized events like freshers' function.

References

Mr. Pawan Gupta

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Dr. Shishir Sinha

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