



Devika Gautam
UG (III Year I Semester)
B.Tech. (Civil Engineering)
Contact No: 7693062246
Email: devika_g@ce.iitr.ac.in
Registration No: 22113043/2025



Area of Interest

Competitive Programming, DSA, ML/AI.

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	7.000
2021	Intermediate (Class XII)	S.t. Francis Convent Hr. Sec. School (CBSE)	97.00 %
2019	Matriculate (Class X)	S.t. Francis Convent Hr. Sec. School (CBSE)	95.40 %

Internships

FACT APP | ABPUA June 2023 - July 2023
• Worked as a growth intern, mentored and provided academic support, developed study plans, and offered motivational guidance for students preparing for IIT-JEE.

Projects

OCR sheet checking system | Aries, IIT Roorkee April 2023 - May 2023
• Developed an efficient OCR sheet checking system to automate the process of grading and analyzing multiple-choice answer sheets.Techstack: Python 3.9 and VSCode.

CPU Scheduler | ASME, IIT Roorkee May 2024 - June 2024
• Developed a CPU Scheduling simulator that simulates different algorithms such as FCFS, SJN, RR, Priority Scheduling to optimize the usage of CPU resources in a multitasking operating system.Techstack: C++17 and VSCode.

Groundwater Prediction using ML/AI | Civil Engineering Department, IIT Roorkee May 2024 - Present
• Working on developing a predictive model and system to forecast groundwater levels based on historical data,environmental factors, and geographical features.

Estimation of Water Balance Components | Civil Engineering Department, IIT Roorkee January 2024 - April 2024
• Collected and analyzed hydrological data for river basins, applied water balance equations to assess water management challenges and solutions.

Geomatics Survey Camp Project | Civil Engineering Department, IIT Roorkee November 2023 - December 2023
• Developed digital Geo-referenced Utility Map of Chandi Ghat region in Haridwar district, Uttarakhand using Geographical Information System(GIS).Devices used: GPS, Total Station Software Used: QGIS.

Awards / Scholarships / Academic Achievements

- 3UK CTR NCC, Camp
- B Certificate, NCC
- Certificate of Appreciation in Sarojini Bhawan Day

Skills

Computer languages	C++
Software Packages	VSCode, Jupyter Notebook
Additional Courses	Data Structures and Algorithms, Data Analytics Course
Languages Known	English(SRW), Hindi(SRW)

Positions of Responsibility & Extra Curriculars

Online Competition Judges | Codechef,codeforces,Leetcode May 2023 - Present
• I have actively participated in competitive programming contests on platforms like CodeChef, Codeforces, and LeetCode. Through consistent practice, I have solved over 450 problems across these platforms, focusing on mastering Data Structures and Algorithms (DSA). This experience has honed my problem-solving skills, logical thinking, and ability to perform under pressure.

COURSE | Google June 2024
• Completed a Google Data Analytics Certification

Operations Manager | Student Mentorship Programme, IIT Roorkee June 2023 - Present
• SMP at IITR offers mentorship to UG freshmen,fostering student-mentor relations and guiding on academic and non-academic challenges.
• Coordinated with operations team to ensure smooth mentorship process by connecting mentees with mentors.

Design Manager | CEC, IIT Roorkee August 2023 - May 2024
• Worked as a design manager in Civil Engineering core club, overseeing and coordinating design projects and activities.

Cadet | NCC, IIT Roorkee

December 2022 - Present

- Engaged in diverse activities, focused on discipline, social service, including hands-on weapons training.
- Contributed to social welfare through Blood Donation Camps and achieved 'B' certificate.

Executive | NSS, IIT Roorkee

January 2023 - March 2023

- Served on the organizing committees for Model United Nations (MUN) and NSS summits, gaining valuable insights into leadership, teamwork, and collaborative skills.

Member | Kshtij, IIT Roorkee

March 2023 - September 2023

- Worked with Kshitij's editorial team in Hindi, nurturing lively discussions on Hindi literature and meticulously curating engaging content across multiple group platforms.

Coordinator | Cognizance, IIT Roorkee

March 2024

- Contributed to the institute's annual tech fest as coordinator, facilitating smooth operations and cultivating an engaging atmosphere that resonated with all participants.

Coordinator | Institute Sports Council(ISC), IIT Roorkee

January 2024 - April 2024

- Coordinated "Sangram", annual sports fest at IITR fostering teamwork and demonstrating effective leadership to ensure a successful and memorable event for all participants.

References

K. S. Hari Prasad

Professor

IIT ROORKEE

k.hari@ce.iitr.ac.in

Rakesh Ranjan

Assistant Professor

IIT ROORKEE

rakesh.ranjan@ce.iitr.ac.in