



Raman Bansal
UG (IV Year I Semester)
B.Tech. (Production and Industrial Engineering)
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Registration No: 21119040/2025



Area of Interest

Software Development, Competitive Programming, Machine Learning

Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2024	B.Tech. 4th Year	Indian Institute of Technology, Roorkee	8.106
2020	Intermediate (Class XII)	CMM Public School, Dujana	93.00 %
2018	Matriculate (Class X)	MBD International School, Jhajjar	90.40 %

Internships

Software Developer | Nuevas Technologies

May 2024 - June 2024

- Pointed out and resolved bug in the code leading to errors in customer services increasing company revenue by **1.23x**
- Deployed responsive AI chatbot in the website to answer the queries of the customer instantly according to the need

Web Developer | Prodigy Infotech

August 2024 - September 2024

- Developed a utility where prices of a stock can be compared to trade with minimum cost and efforts within duration
- Implemented MERN stack, Restful API's and MYSQL for searching and showing the shares prices comparison data

Projects

Easy Buy | Self Project

January 2024 - March 2024

- Built a MERN stack application to compare product prices across multiple e-commerce platforms to buy at minimum cost
- Developed an AI-powered chatbot with PyTorch to assist users with product queries and enhance the shopping experience

Club Tracker | Enactus, IIT Roorkee

June 2023 - August 2023

- Collaborated with 10+ clubs to develop a user-friendly platform using React.js, enhancing accessibility for 10k+ students. Leveraged C++ to efficiently handle server-side logic, process client requests, interact with the database
- Designed an interactive website focusing on UX/UI design, enhancing club communication and user engagement a website for coordinating **50+** events at IIT Roorkee, ensuring seamless scheduling and preventing clashes of events

URL Shortener | ACM, IIT Roorkee

May 2023 - June 2023

- Developed a URL shortener website, leveraging Node.js, MongoDB, EJS, CSS, and ExpressJS. Implemented RESTful API's service to generate shortened URLs efficiently and store them in database to use them as needed by using mapping
- Designed an user interface for seamless interaction. Demonstrated strong full-stack development skills in crafting a user-friendly interface for efficient link management and utility to know number of clicks in new url using javascript

Polygon Collider Visualizer | ACM, IIT Roorkee

April 2023 - May 2023

- Implemented a polygon collision detection system in python using the GJK algorithm for accurate collision identification
- Utilized React, Node.js, and VS Code and flask to develop and optimize a real-time 2d polygon collision detection tool

Awards / Scholarships / Academic Achievements

- Silver** Medal in Institute Colors Trophy, **2023** and **2024** Hockey Match
- Secured an All India rank of **4278** in Joint Entrance Examination (Main) 2021.
- Secured an All India rank of **4856** in Joint Entrance Examination (Advanced) 2021.
- Global rank **2523** in LeetCode Biweekly contest #138
- Global rank **1433** in Codeforces Round #978

Skills

Computer languages C++, Python, SQL, JavaScript
Software Packages ReactJS, NodeJS, PyTorch, TensorFlow, NumPy, Pandas

Positions of Responsibility & Extra Curriculars

Competitive Programming | Online Judges

January 2022 - Present

- Active coder on Codeforces - Max rating : 1386 (Handle : raman21), and LeetCode - Max rating: 1732 (Handle: r_bansal)

Event Coordinator | Pragyotsav, IIT Roorkee

July 2022 - August 2022

- Led a team of **40**, managing **1000+** participants, **10+** speakers, and a **8-lakh** budget, ensuring Sanskrit week success

Volunteer | Open Mic Thoms'o'22

October 2022

- Managed event logistics, including artist coordination and stage set-up, ensuring participants seamless performance
- Implemented marketing strategies, increasing event visibility by **30%** and attracting a **25%** more diverse audience

Volunteer | Sanskrit Club IIT Roorkee

February 2023 - Present

- Hosted various events for promotion of Sanskrit language and Indian knowledge systems, mentored **200+** students
- Managed club website and updated the website to make it capable to manage the Sanskrit course with **15k** registrations