Deepak
UG (II Year II Semester)
B.Tech. (Mechanical Engineering)
Contact No: 7678124123
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Registration No: 23117044/2025

Indian Institute of
Technology
Roorkee

Area of Interest

Coding, Data Science, Travelling and Music

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2024	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	6.881

Internships

Software Engineer | Absolute Dimension Pvt. Ltd.   June 2024 - September 2024
- Developed and optimized web and mobile apps for performance, scalability, and deployment.
- Gained experience in DevOps, web/app development, and AI/ML for quality solutions.
- Enhanced user experience through efficient coding, testing, and deployment.

Application Development | Region Infinity Pvt. Ltd.   November 2024 - February 2025
- Mentored by Prof. Vishal Vaibhav, IIT Delhi, in developing a mathematics learning app.
- Developed frontend and backend for seamless experience and robust performance.
- Designed and managed the admin panel for content, access, and system control.

Projects

RAG Model with Interactive UI | Absolute Dimension Pvt. Ltd.   June 2024
- Implemented a RAG model for accurate, fact-based responses by combining retrieval and generation.
- Improved response accuracy using real-time external knowledge for user queries.
- Designed an interactive UI for seamless question-answer interactions.

Enquiry-Based Learning App for IIT JEE Mathematics | Region Infinity Pvt. Ltd.   November 2024 - February 2025
- - Guided by Prof. Vishal Vaibhav, IIT Delhi, in developing an interactive mathematics learning platform.
- - Built frontend and backend for a responsive, intuitive, and high-performance experience.
- - Developed an admin panel for efficient content management, access control, and system configuration.

IPR Website IIT Roorkee | IIT Roorkee   September 2024
- Mentored by Prof. Vivek Kumar Malik, developed the IPR website at IIT Roorkee using Next.js, Node.js (Express), and
- MongoDB.
- Integrated essential Node.js packages like Nodemailer for emails, Multer for file uploads, and Cors for secure API
- communication.
- Gained hands-on experience in full-stack development, delivering a streamlined solution for IPR processes.

NutriBot AI-Powered Personalized Nutrition Chatbot | Personal Project   March 2025
- Built a conversational AI using Rasa 3.6.21 to deliver personalized meal recommendations based on user preferences.
- Integrated Nutritionix API via custom actions and developed a modern React + Tailwind frontend with a Flask backend for seamless user interaction.
- Deployed the fully containerized application using Docker with support for cloud platforms like GCP.

Awards / Scholarships / Academic Achievements

- PNB Quiz Medal
- Vidyamandir Classes Scholarship
- INNOV8-2.o Hackathon by IIT Delhi
- Syntax Error Hackathon by SDSLabs, IIT Roorkee

Skills

Computer languages	Python, C++, Dart, Java, Js and SQL
Software Packages	ReactJS, React Native, Next.js, Tailwind CSS, Figma, Django, MERN Stack, Firebase, MySQL, PostgreSQL, AWS, Docker, Kubernetes, Generative AI, TensorFlow, OpenCV, Scikit-learn, YOLO, Power BI, Flutter, DSA, Redux.
Languages Known	English, Hindi

Positions of Responsibility & Extra Curriculars

Developer | E-Cell IIT Roorkee   March 2024 - Present
- As a Developer at E-cell IIT Roorkee, I enhance online platforms to foster entrepreneurship and innovation, collaborating
- with my team to refine our digital presence for the campus community.

Developer | STC, IIT Roorkee   December 2024 - Present
- Developer at Software Technology Cell (STC), IIT Roorkee, the central body overseeing all tech clubs, building scalable full-stack applications using Next.js, Node.js, MongoDB, and optimizing software solutions through API integration and database enhancements.