Deepak
UG (II Year II Semester)
B.Tech. (Mechanical Engineering)
Contact No: 7678124123
Email: deepak1@me.iitr.ac.in
Registration No: 23117044/2025

Indian Institute of
Technology
Roorkee

Area of Interest

Coding, Development, 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.

Mobile Developer | Region Infinity Pvt. Ltd. — November 2024 - February 2025
- Mentored by Prof. Vishal Vaibhav, IIT Delhi, in developing a IIT-JEE 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.

Data Scientist | My Assignment APlus — September 2024 - January 2025
- Conduct data and algorithm analysis to extract insights for data-driven decision-making.
- Develop research proposals exploring innovative machine learning and data-driven solutions.
- Deploy Python scripts and perform emotion detection in text using R with analysis, visuals, and narrative.

Projects

RAG Model with Interactive UI | Absolute Dimension Pvt. Ltd. — June 2024
- Built a RAG model to generate fact-based responses by combining retrieval and generation techniques.
- Boosted answer accuracy by integrating real-time external knowledge into the response pipeline.
- Created a user-friendly UI enabling seamless question-answering over targeted content.

Enquiry-Based Learning App for IIT JEE Mathematics | Region Infinity Pvt. Ltd. — November 2024 - February 2025
- Collaborated with Prof. Vishal Vaibhav (IIT Delhi) to develop an interactive math platform used by 500+ students.
- Designed and implemented frontend and backend for a responsive, intuitive, high-performance app.
- Developed admin panel to streamline content management and access control, improving efficiency 3x.

NutriBot AI-Powered Personalized Nutrition Chatbot | Freelance — March 2025
- Built a conversational AI with Rasa 3.6.21 for personalized meal recommendations based on user preferences.
- Integrated Nutritionix API and developed React Tailwind frontend with Flask backend for seamless interaction
- Deployed Dockerized app on GCP improving deployment speed by 40% and boosting user satisfaction

Skin Disease Prediction with Chatbot | Syntax Error Hackathon by SDSLabs, IIT Roorkee — October 2024
- Developed a deep learning model to predict skin diseases using advanced image analysis techniques.
- Integrated the model into a web platform used by 1,000+ users for real-time, user-friendly diagnostic results.
- Deployed an AI chatbot powered by LLaMA to handle skin disease queries, boosting engagement by 60%.

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

Senior Technical Manager | E-Cell IIT Roorkee — March 2024 - Present
- Enhanced E-cell IIT Roorkees online platforms to boost entrepreneurship and improve campus digital presence.