



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



**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.

**IPR Website IIT Roorkee** | IIT Roorkee September 2024

- Developed IPR website with Next.js, Node.js, and MongoDB, serving 200+ users and cutting process time by 30%.
- Integrated Nodemailer, Multer, and Cors to enhance email delivery, file uploads, and API security.
- Added loader and optimized backend to reduce profile data load time by 45% and improve user experience.

**NutriBot AI-Powered Personalized Nutrition Chatbot** | Freelancing 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

**Awards / Scholarships / Academic Achievements**

- PNB Quiz Medal
- Vidyamandir Classes Scholarship
- INNOV8-2.0 Hackathon by IIT Delhi
- Syntax Error Hackathon by SDS Labs, 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.