



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



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 applications for performance, scalability, and deployment.
- Gained experience in DevOps, web/app development, and machine learning/AI, contributing to high-quality software solutions.
- Focused on enhancing user experience through efficient coding, testing, and deployment strategies.

Data Scientist | My Assignment APlus September 2024 - December 2024

- 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.

Application Development | Region Infinity Pvt. Ltd. November 2024 - February 2025

- Mentored by Prof. Vishal Vaibhav, IIT Delhi, in the development of an interactive mathematics learning app with advanced educational features.
- Worked on both frontend and backend development, ensuring a seamless user experience and robust system performance.
- Designed and managed the admin panel, enabling efficient content management, user access control, and system configuration for smooth operations.

Projects

RAG Model with Interactive UI | Absolute Dimension Pvt. Ltd. June 2024

- Implemented a Retrieval-Augmented Generation (RAG) model for accurate, fact-based responses by combining information retrieval and text generation.
- Enhanced response accuracy using real-time external knowledge tailored to user queries.
- Designed an interactive UI for seamless question-answer interactions based on specific content.

Enquiry-Based Learning App for IIT JEE Mathematics | Region Infinity Pvt. Ltd. November 2024 - February 2025

- Guided by Prof. Vishal Vaibhav, IIT Delhi, in the development of an interactive mathematics learning platform equipped with cutting-edge educational tools.
- Engineered both frontend and backend systems, ensuring a responsive, intuitive, and high-performance user experience.
- Developed and maintained a comprehensive admin panel, streamlining content management, user access control, and system configurations for seamless operations.

Skin Disease Prediction with Chatbot | Syntax Error by SDS Labs, IIT Roorkee October 2024

- Developed a deep learning model for predicting skin diseases through advanced image analysis.
- Integrated the model into a web platform, enabling users to receive instant disease predictions with a seamless interface.
- Implemented an AI-powered chatbot, built on the LLaMA model, to provide assistance related to skin diseases.

AITC Logistics Website | Absolute Dimension Pvt. Ltd. August 2024 - September 2024

- Designed and developed the frontend using ReactJS and Tailwind CSS, following MVC architecture for modular and efficient development.
- Contributed to the backend using Node.js, implementing robust server-side logic and seamless API integration.
- Played a key role in building a high-quality, functional website to meet client requirements with a focus on performance and responsiveness.

FitKnight: Smart Fitness Community Platform | IMG, IIT Roorkee December 2024 - January 2025

- Developed FitKnight, a fitness community platform with a Django REST API backend and Flutter frontend for seamless user interactions. Integrated smart matching, group management, and real-time communication features.
- Implemented WebSocket-based real-time chat and notifications, ensuring instant updates for messages, join requests, and approvals. Optimized performance for fast, responsive, and engaging user experience.
- Designed a secure system with token-based authentication and role-based access control to protect user data. Ensured structured error handling and smooth functionality across all devices.

Awards / Scholarships / Academic Achievements

- PNB Quiz Medal
- Vidyamandir Classes Scholarship

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
<ul style="list-style-type: none">• 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.	