

# PIYUSH RAWAT

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## SUMMARY

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Software Engineer with over 4 years of experience skilled in designing and developing scalable, high-performance web applications using Java, JavaScript, MySQL. Excellent communicator with a proven ability to convey technical concepts clearly and effectively.

## EXPERIENCE

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### Software Development Engineer

Oct 2021 - April 2025

Indian Institute of Technology, Roorkee

*Roorkee, India*

- Designed and developed a scalable web application for IIT Roorkee Virtual Labs using technologies like Java, JavaScript, MySQL, and HTML/CSS improving system performance and user interactivity for over 10,000+ users.
- Developed front-end functionalities, including a intuitive filtering system, improving browsing efficiency, interactivity, resulting in an overall enhanced user experience.
- Developed a user-friendly front end feature to translate UI text from English to Hindi, enhancing accessibility for native language users and supporting multilingual access.
- Implemented a secure MySQL database schema for user authentication, achieving a 20% reduction in authentication errors while ensuring robust data integrity.
- Mentored new team members and conducted technical knowledge-sharing sessions, accelerating the onboarding process and improving overall team productivity and collaboration in cross functional environments.

### Associate Operations

Oct 2019 - March 2021

Startek Pvt. Ltd.

*Bangalore, India*

- Designed and implemented automated workflows to streamline routine operations, improving efficiency and reducing manual effort.
- Utilised tools like powershell, bash scripting for task automation.
- Developed custom scripts to monitor system performance and generate automated alerts, ensuring proactive issue resolution and minimising downtime.
- Delivered technical seminars and presentations using tools like Google slides and Confluence, enhancing knowledge sharing and promoting cross-functional collaboration.

### Back end Developer

Jan 2019 - Sep 2019

Leathermozzo India Pvt. Ltd.

*Bangalore, India*

- Developed RESTful APIs integrations and MySQL based storage solutions to improve backend performance, scalability, and data handling efficiency.

## SKILLS

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**Programming Languages :** Java, JavaScript, C++

**Web development :** HTML, CSS, JavaScript

**Database & Backend :** MySQL, XAMPP, Spring Boot

**Tools & Platforms :** Git, GitHub, REST APIs, Figma, Canva

**Operating Systems :** Windows, MacOS

**Other Skills :** Data Structures, Algorithms, OOPS, SDLC, Computer Networks, DBMS

**Soft Skills :** Team Leadership, Communication, Collaboration, Problem Solving, Consistency, Discipline

## EDUCATION

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## PROJECTS

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**Task Manager Application** Created a backend system "Task manager" that creates the user accounts and authenticates the users. Designed a comprehensive full stack CRUD application that allows users to perform various operations on data with user authentication. ([Try it here](#))

**Weather Web Application** A weather application that interacts with the MapBox and WeatherStack APIs.

## ACCOMPLISHMENTS

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- Honored with a Silver coin by IIT Roorkee for the design and development of an internal application, enhancing user experience and operational efficiency.
- Recognised as an expert speaker by Gudlavalleru Engineering College for delivering a lecture on the "Development of Virtual Labs" sharing insights and expertise on the field.
- Optimised application performance, leading to a 20% increase in traffic within six months.