

PIYUSH RAWAT

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SUMMARY

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

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.
- Led technical seminars and presented project outcomes and technical insights contributing to the visibility and adoption of developed solutions.
- Delivered impactful presentations to peers and new hires using tools like Google slides, PowerPoint, and Confluence, fostering a culture of continuous learning and cross- functional collaboration.

Back end Developer

Jan 2019 - Sep 2019

Leathermозzo India Pvt. Ltd.

Bangalore, India

- Developed RESTful APIs integrations to enable seamless data exchange, and improve backend reliability and support scalable application functionality.
- Implemented MongoDB-based data storage solutions to optimize file upload handling and user data management, resulting in improved performance and scalability.
- Implemented email notification functionality, automating user alerts and improving communication workflows.
- Delivered product demonstrations and effectively presented technical solutions to diverse stakeholders, including clients, and non-technical audiences, improving engagement and stakeholder alignment.

SKILLS

Programming Languages : Java, JavaScript

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

Master in Computer Application, Graphic Era University 2015 - 2017

Bachelor in Computer Application, Graphic Era University 2012 - 2015

PROJECTS

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

- 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.