

# Rishabh Rawat

rawatrishabh76@gmail.com ◊ +91 8630127728 ◊ Dhoolkot, Dehradun, Uttarakhand

## Work Experience

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### IBM Internship

*Feb 2025*

- Developed an AI-based Lung Health Classification system during IBM internship.
- Used Recurrent Neural Networks (RNN) to analyze lung scans
- Classified cases into Viral Pneumonia, Bacterial Pneumonia, COVID-19, and Normal.
- Enabled accurate predictions for early detection and health monitoring.

### React.js Developer Intern – Resolute.ai

*April 2025 – Present*

- Contributing to the development of dynamic user interfaces using React.js, focusing on performance and modular component architecture.
- Integrated APIs and managed application state using Redux and React Hooks for scalable feature development.
- Collaborated with UI/UX teams to enhance user experience and ensure responsive design across devices.
- Participated in code reviews, debugging, within an Agile workflow.

## Projects

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### Instagram clone

- Developed an Instagram clone using the MERN stack with Supabase for backend services.
- Implemented user authentication, photo uploads, likes, comments, and stories.
- Enabled real-time feed updates and seamless user interactions.
- Focused on responsive design and smooth cross-device user experience.

### EMS(Employee Management System)

- Created a responsive sidebar in React with Tailwind CSS and a bottom-placed toggle button.
- Integrated Node.js and Express backend for dynamic data and API communication.
- Used React Hooks for managing sidebar state with smooth transitions and mobile-first design.
- Delivered a clean, full-stack MERN-based UI/UX with seamless frontend-backend interaction.

## E-Commerce web application

- Developed a responsive e-commerce web application using React and Vite, implementing modern frontend development practices for optimal performance.
- Implemented reusable React components for product listing, cart management, and dynamic routing using React Router.
- Styled the interface with Tailwind CSS, ensuring a responsive and visually appealing design across devices.
- Structured the application using functional components and hooks (`useState`, `useEffect`) for effective state and lifecycle management.
- Structured Redux slices with actions and reducers for better separation of concerns and easier scalability

## Image Generator

- Built a full-stack React + Vite application with backend support to handle user data and post management.
- Integrated the Pollination API to generate AI-based images dynamically from user prompts.
- Enabled users to upload and display posts on the homepage through a connected Node.js/Express backend.
- Achieved seamless frontend-backend communication with REST APIs, ensuring real-time updates and fast performance.

## YouTube Clone

- Developed a full-stack YouTube clone using React.js with a focus on video streaming and real-time interactions.
- Implemented a responsive user interface with React, allowing users to search for videos, view content, and interact with others through comments.
- Deployed the application on Render, ensuring high availability and easy access for users globally.

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## Education

### University of Petroleum and Energy Studies

Master of Computer Applications (MCA), Artificial Intelligence and Machine Learning

Dehradun, Uttarakhand

July 2023 - July 2025

### Tula's Institute

Bachelor of Computer Applications (BCA)

Dehradun, Uttarakhand

July 2020 - July 2023

### Shivalik Academy

CBSE (10+12th)

Rajawala Road, Selaqui, Dehradun

2018 - 2020

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## Technical Skills

- **Programming Languages:** Java, Python, C,C++,Javascript
- **Frontend Development:** React.js, HTML5, CSS3, JavaScript, React Hooks, RESTful APIs
- **Backend Development:** Node.js, Express.js, Firebase Authentication
- **Database Management:** MongoDB, Firebase Firestore, MySQL
- **Version Control:** Git, GitHub
- **AI & Machine Learning:**
- AI Algorithms and Model for Image classification and recommendation systems
- Libraries/Tools:TensorFlow.js,Pandas,Numpy,Scikit-learn.
- Vector Databases: Pinecone

## Certifications

- Web Application Technologies and Django(Coursera)
- CYBERSECURITY  
CERTIFICATION ID: RCPL-202
- React.js(Great Learning)
- Digital Media & Lifeskills(3DI School New Zealand)