

# Jai Prakash Rai



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Motivated and detail-oriented Computer Science student with a strong foundation in software development, data structures, and web technologies. Skilled in Java, Python, and modern frameworks such as React and Spring Boot. Experienced in academic and personal projects involving full-stack development and machine learning. Eager to contribute to innovative software solutions and continuously enhance technical and problem-solving abilities. Seeking opportunities to apply my skills in real-world environments and grow as a software engineer.

## TECHNICAL SKILLS

<b>Programming Languages</b>	Java, JavaScript (ES6+), TypeScript, Python, C, C++
<b>Web Technologies</b>	HTML5, CSS3, REST APIs, JSON
<b>Frontend Frameworks</b>	React.js, Tailwind CSS, Bootstrap CSS
<b>Backend Frameworks</b>	Spring Boot, Node.js
<b>Database</b>	MySQL, MongoDB
<b>Dev Tools &amp; VCS</b>	Git, GitHub, Docker, Postman
<b>Soft Skills</b>	Critical thinking, Data-driven decision making, Communication, Teamwork

## EDUCATION

<b>MCKV Institute of Engineering</b>	Aug 2022 -Present
Bachelors of Technology in Computer Science and Engineering	
CGPA: 8.12(up to 6 <sup>th</sup> Sem)	

## PROJECTS

### Merchant UPI Cashback System | Full Stack FinTech Project

- Built a UPI-linked cashback system enabling merchants to set flat, tiered, or lottery-based reward schemes for customer payments.
- Developed a full-stack dashboard (React + Node.js) to manage cashback rules and automate payouts via RazorpayX/Cashfree APIs.
- Ensured secure backend architecture using Node.js, Express.js, and PostgreSQL with JWT-based authentication and modular API design.
- **Tech Stack:** Node.js, Express, React, PostgreSQL, RazorpayX API, Tailwind CSS, JWT

### Eco Cycle | AI-Powered Recycling Guide

- Developing a web app that uses computer vision to classify recyclable materials and suggest local recycling options.
- Integrating image upload, geolocation, educational content, and personalized plans via backend APIs.
- Leveraging TensorFlow for classification and Spring Boot for backend services.
- **Tech Stack:** React.js, Spring Boot, TensorFlow, MySQL, Google Maps API, REST APIs.

## EXPERIENCE

### Prodigy Infotech

Remote · May 2025 – July 2025

- Completed a hands-on internship focused on front-end development using HTML, CSS, and JavaScript
- Built responsive web apps: landing page, stopwatch, Tic-Tac-Toe, and weather app with API & geolocation.
- Applied modern UI techniques including glassmorphism, animated gradients, and component-based layouts.
- Gained experience in API integration, DOM manipulation, and received a Letter of Recommendation for excellence.
- Received a formal **Letter of Recommendation** for outstanding performance and professionalism