



## RUBY KUSHWAH

Btech- Computer Science & Engg

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<https://ruby-portfolio-kohl.vercel.app/>



### BRIEF SUMMARY

B.Tech Computer Science student with strong fundamentals in **Java**, **DSA**, and **Object-Oriented Programming**, and hands-on experience in building full-stack applications using **Spring Boot**, **MySQL**, and **React**. Experienced in developing REST APIs, frontend-backend integration, and deploying web applications. A quick learner with good problem-solving skills and a keen interest in building scalable, real-world software solutions.

### KEY EXPERTISE

- Core Java, OOPs, Data Structures & Algorithms
- Spring Boot, REST APIs, MySQL, SQL (DBMS)
- HTML, CSS, JavaScript, React.
- Git, GitHub, Vercel, Cloud & Deployment

### EDUCATIONAL DETAILS

- Shri Vaishnav Vidhyapeeth Vishwavidhyalaya, Indore**  
Bachelor of Technology (B.Tech), Computer Science & Engineering  
**CGPA:** 9.03/10 | 2022 – 2026
- Shri Cloth Market Vaishnav Bal Mandir Girls School ,Indore(CBSE)**  
**Class XII (Senior Secondary) – 2022**  
**Percentage:** 83.5%
- Shri Cloth Market Vaishnav Bal Mandir girls School, Indore (CBSE)**  
**Class X (Secondary) – 2020**  
**Percentage:** 88.8%

### AWARDS AND SCHOLARSHIPS

- MCQ Scanner App (April 2024):** Developed an AI-based MCQ scanning and quiz generation application. Automated answer detection, evaluation, and instant scoring with remarks.  
**Won Intercollege Software Competition** at PIEMR, Indore for innovation and UI design.

**Merit Scholarship:** Awarded by college for maintaining 9+ CGPA consistently.

### INTERNSHIP

#### AI INTERN – INFOSYS SPRINGBOARD (REMOTE)

**Project: AI-based Smart Traffic Management System**

**Feb 6 – Mar 25, 2025 | Team Size: 25 (Pan-India)**

- Contributed to designing a real-time traffic monitoring system integrating ANPR (license plate recognition) and vehicle counting using YOLOv8 and Tesseract OCR.
- Worked on front-end UI screens and system flow visualization to support real-time monitoring dashboards.
- Assisted in integrating backend logic using Python, OpenCV, and Flask for data processing workflows

#### Key Learnings:

**Technical:** Real-time image processing, YOLO-based detection, OCR, Python workflows, Flask .

**Behavioural:** Team collaboration, documentation discipline, problem-solving, structured execution.

Tech Stack: Python · OpenCV · YOLOv8 · Tesseract OCR · Flask · React · Git.

## PROJECTS

### Java Full-Stack Journaling Application (2025)

Built a full-stack journaling application using **Java, Spring Boot, REST APIs, and MySQL**.

Implemented **CRUD** operations with Spring Data **JPA** following **layered (MVC)** architecture.

Designed and exposed **RESTful** endpoints to handle data persistence and business logic.

Ensured clean code structure, proper validation, and efficient backend-frontend integration.

### Health Mirror – AI-Based Health Analysis System (Major Project) [TEAM – 4 ]

Developed an AI system that analyzes a single selfie to compute 12 health indicators using computer vision and deep learning.

Extracted facial features to estimate metrics such as stress level, fatigue, skin health and sleep quality.

Generated personalized health predictions and insights with a privacy-focused, zero image retention design.

### TokenMaster – NFT-Based Ticket Booking System (2024)

Developed an NFT-based ticket booking system using **Solidity smart contracts** and **Hardhat**.

Represented event tickets as **ERC-721 NFTs** to ensure secure ownership, transferability, and verification.

Integrated **blockchain** interactions using **Web3** to enable decentralized booking and validation.

### Personal Portfolio Website ( JavaScript ,React, typescript)

Developed a responsive personal portfolio using React and TypeScript.

Implemented reusable components, clean UI layouts, and smooth navigation.

Optimized the application for performance and cross-device compatibility.

## ACHIEVEMENTS

- Technical Workshops ( AI/ML, Web Dev Bootcamps)
- Participated in Hackathons (Smart India Hackathon(2023 , 2024), Intra – College Hackathons

## ASSESSMENT and CERTIFICATIONS

- |   |               |
|---|---------------|
| • Python Programming (ELITE) – NPTEL,                                   | Jul–Oct 2024  |
| • Database Management Systems (DBMS) – NPTEL,                           | Jul–Sept 2024 |
| • Soft Skills Development – NPTEL,                                      | Jan–Mar 2024  |
| • IBM Practitioner and Co-Creator Badge in Enterprise design thinking . | March 2024    |

## PERSONAL INTERESTS / HOBBIES

Creative Drawing & Sketching, Listening Music, Exploring New Places, Puzzles & Brain Challenges

## PERSONAL DETAILS

- Strengths: Active Listener, Quick Learner, Effective Team collaboration skills, Strong Communication Skills
- Date of Birth: 2<sup>nd</sup> January 2004
- Current Address: 33,Mukharjee nagar sanwer road, Indore, Madhya Pradesh – 452015, India

## DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I bear the responsibility for the correctness of the above-mentioned particulars.

Signature

Place: INDORE

RUBY KUSHWAH