# PRATEEK YADAV

Java Full Stack Developer

Portfolio Link: https://prateekyadav-portfolio.vercel.app

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## EDUCATION

| | |
|---|---|
| **Chhatrapati Shahu Ji Maharaj University Kanpur** | **Oct 2022 – Present** |
| *B.Tech(Information Technology)* | CGPA - 8.38/10 (Till 6th Semester) |
| **Saraswati Vidya Mandir Inter College Noorpur Bijnor** | **Apr 2020 – Mar 2021** |
| *Intermediate(PCM)* | 86.4% |
| **Saraswati Vidya Mandir Inter College Noorpur Bijnor** | **Apr 2018 – Mar 2019** |
| *High School* | 84% |

## EXPERIENCE

• **AI Azure Intern** | Microsoft, Edunet Foundation, AICTE      **May 2025 – Jun 2025**
- Architected image classification workflows using Azure Custom Vision and automated model training pipelines, reducing manual effort by 40%.
- Built and deployed a CNN-based face mask detection system on Azure App Service, achieving 95% accuracy and accelerating model update cycles by 30% using Azure ML tools.

• **Full Stack Web Developer Intern** | WebStack Academy      **Sep 2025 – Nov 2025**
- Engineered a full-stack web platform with secure authentication, payment integration, and optimized data flow, improving data retrieval performance by 20%.
- Optimized frontend components and core business logic, lowering UI-related defects by 40% and enhancing overall application stability.

## PROJECTS

• **Job Portal System** ↗ ⊙ | Java, Spring Boot, MongoDB, React.js, Maven, Restful APIs
- Developed a scalable full-stack Job Portal using Spring Boot and React, enabling seamless interaction between recruiters and candidates for 1,000+ job listings.
- Designed and optimized MongoDB schemas with strategic indexing, improving job search filtering and application tracking performance by 20%.
- Applied OOPs principles like Abstraction and Inheritance to design a modular architecture, utilizing DTO patterns to ensure secure data encapsulation across 10+ REST APIs.
- Integrated advanced search filters (location, role, skills) in the frontend using React, providing an interactive user experience and efficient data retrieval.

• **YouTube SEO Tools (SaaS)** ↗ ⊙ | Java, Spring Boot, React.js, Docker, YouTube Data API
- Developed a full-stack SaaS application to optimize YouTube content discoverability by extracting hidden metadata (tags, descriptions) and generating high-ranking SEO keywords using the YouTube Data API.
- Containerized the application using Docker, implementing multi-stage builds to reduce image size and ensure consistent environment deployment across development and production.
- Integrated automated SEO scoring algorithms, improving keyword evaluation precision by 25% through comparative analysis of viral video metadata.

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, SQL, OOPs Concepts
**Frontend:** HTML5, Thymeleaf, CSS, React.js
**Backend:** Spring Framework, Spring Boot, Microservices, Spring Security, Hibernate/JPA, JDBC, Servlets, RESTful APIs
**Database:** MySQL, MongoDB
**DevOps & Tools:** Docker, Git, GitHub, Maven, Postman, IntelliJ IDEA, VS Code, Eclipse
**Cloud:** Azure basics
**Testing  Concepts:** JUnit, Data Structures  Algorithms (DSA)

## ACHIEVEMENTS & CERTIFICATIONS

• **Reliance Foundation Scholarship (2023)** – Got selected for the Reliance Foundation Scholarship (2023) for academic excellence in a national-level exam, receiving 2,00,000 among top students across India.
• **Competitive Programming** – Solved 500+ dsa problems across multiple platforms.
• **Java Full Stack Development** – Code For Success      **Certificate**
• **Generative AI** – NPTEL      **Certificate**
• **Data Structures and Algorithms** – Infosys      **Certificate**

## EXTRACURRICULAR ACTIVITIES

• **Aeromodelling Workshop Attendee (CSJM University, Kanpur)** – Assembled an RC aircraft using Coroplast fabrication and applied principles of flight mechanics and control systems during hands-on technical sessions.

• **Finalist in General Knowledge Competition** – Advanced to the finalist stage among 500+ participants in a state-level competition organized by the Pt. Deen Dayal Upadhyay Centenary Celebration Committee.