

# VED PRATAP SINGH

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## PROFILE SUMMARY

Computer Science undergraduate with hands-on experience in full-stack development using Java, Spring Boot, and RESTful APIs. Skilled in implementing scalable web applications, designing secure authentication systems, and applying object-oriented principles. Proficient in Data Structures and Algorithms (DSA), database integration, and Agile software development practices. Demonstrated ability to debug, optimize, and deploy backend systems that improve performance and reliability.

## EDUCATION

<b>Ajay Kumar Garg Engineering College, Ghaziabad (AKTU)</b> <i>B.Tech in Computer Science — CGPA: 6.67</i>	2022 – 2025
<b>Government Polytechnic Ghaziabad (BTEUP)</b> <i>Diploma in Mechanical Production — 71.4%</i>	2019 – 2022
<b>MV Inter College, Prayagraj</b> <i>Intermediate — 63%</i>	2019
<b>Ch. Prahlad Singh High School, Fatehpur</b> <i>High School — 81%</i>	2017

## EXPERIENCE

<b>Software Developer Intern – IBM CSRBOX (Remote)</b> <ul style="list-style-type: none"><li>Developed 2+ responsive web applications using HTML, CSS, JavaScript, and Bootstrap, achieving 100% mobile responsiveness and cross-browser compatibility.</li><li>Participated in 12+ Agile sprint meetings, improving delivery speed and collaboration efficiency by 20%.</li><li>Managed version control using GitHub across 3 team repositories, resolving 15+ merge conflicts with best practices.</li></ul>	Jun 2024 – Aug 2024
<b>Java Developer – SoftPro Java Training</b> <ul style="list-style-type: none"><li>Designed Java web pages and basic applications using NetBeans and VS Code, focusing on clean code and maintainability.</li><li>Built classification and clustering logic into a Java Spring Boot application with Hibernate, achieving 85%+ accuracy on structured datasets.</li></ul>	Mar 2024
<b>Java Developer Trainee – Anudip Foundation (AJP Course)</b> <ul style="list-style-type: none"><li>Completed 120+ hours of hands-on training in Java, JDBC, Spring Boot, and Hibernate.</li><li>Built 3 web applications in Eclipse integrated with MySQL, improving database operations by 40%.</li></ul>	Sept 2024 – Nov 2024

## KEY ACHIEVEMENTS

- Solved **300+ coding problems** on HackerRank and LeetCode, demonstrating strong proficiency in **Data Structures and Algorithms (DSA)**.
- Achieved **5-star rating in Java Programming** and **5-star rating in SQL** on HackerRank, validating backend development and programming skills.
- Earned **4-star rating in Problem Solving** on HackerRank, highlighting algorithmic thinking and logical reasoning capabilities.

## PROJECTS

<b>CRM Web App</b>   Java, HTML, CSS, JavaScript, Spring Boot, MySQL <ul style="list-style-type: none"><li>Implemented JWT Authentication, role-based access control, and secure RESTful APIs using Spring Security.</li><li>Integrated a MySQL database and token refresh mechanisms for enhanced security.</li><li>Implemented scalable and modular components for core CRM features, ensuring testability and maintainability.</li></ul>
<b>Real Time Detection System - ParkFlow</b>   Java, Spring Boot, Maven, IoT, Eclipse <ul style="list-style-type: none"><li>Engineered a real-time traffic and parking detection system using IoT sensors and camera-based vehicle recognition for smart city deployment.</li><li>Implemented backend system with Spring Boot and REST APIs, enabling interactive data visualization; this was the project that led to recognition as 'most improved trainee' in Java cohort.</li><li>Focused on scalability, performance optimization, and smart urban deployment.</li></ul>

## TECHNICAL SKILLS

**Programming:** HTML, CSS, JavaScript, React, Thymeleaf, Java, Python, SQL  
**Web Frameworks:** Spring Boot, Hibernate, JSP, JDBC.  
**Developer Tools:** VS Code, Eclipse, NetBeans, Git  
**Concepts:** DSA, OOP, DBMS, RESTful APIs, Agile, Software Engineering

## CERTIFICATIONS

- IBM** – Project Management Fundamentals - 2024
- Udemy** – HTML, CSS, Bootstrap - 2024
- Infosys** – Cyber Security Ethical Hacking - 2023
- Infosys** – Computer Networks Internet Security - 2023