

# Vansh Parmar

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## WORK EXPERIENCE

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### Cyber Security Virtual Internship

May 2025 - Jun 2025

- Center for Development of Advanced Computing (C-DAC), Noida
- Gained hands-on experience in ethical hacking, vulnerability analysis, and penetration testing. Solved 21 quizzes, completed 3 advanced virtual labs, and 1 cyber security project under a mentor.

## PROJECTS

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### Uber Backend Project

[Github Link](#)

Developed a scalable Spring Boot microservices platform with Eureka for service discovery and real-time driver-client tracking using Redis and WebSocket (STOMP).

Implemented JWT authentication and inter-service communication with Kafka and Retrofit, and built modular booking, review, and driver services using Spring Security, JPA, and REST APIs.

### CricSco - Live Cricket Score App

[Deployed Link](#)

Built a real-time cricket score platform using React, Javascript, Bootstrap and RapidAPI to display live, upcoming, and recent matches, with dynamic match cards, a multi-section navbar, and detailed match pages featuring Live Updates, Scorecards, and Match Info.

### Vehicle Detection & Speed Estimation

[Demo Link](#)

Developed a system to detect vehicles in video streams, track them across frames, and estimate real-time speed. Implemented using Python, OpenCV, YOLOv11 for object detection, SORT for object tracking, and NumPy for speed calculation.

## EDUCATION

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2023 - 2027 Bachelor's Degree in CSE at **The Maharaja Sayajirao University**

(CGPA: 7.52)

## SKILLS

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Languages

C++, C, Java, JavaScript, SQL, Python, HTML5

Fundamentals

Core Java, OOPs, DSA, DBMS

Technologies/Frameworks

CSS, Bootstrap, jQuery, Spring Boot, Spring Microservices, React.js, NumPy, Pandas, Matplotlib, Machine Learning, Scikit-learn, Deep Learning, TensorFlow, Keras, OpenCV, NLP, Langchain, GenAI, RAG, Langgraph, Agentic AI

## CODING PLATFORMS

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Solved 700+ Problems on LeetCode and 100+ Problems across platforms like GeeksforGeeks, Atcoder, Codeforces, Cses

## CERTIFICATIONS

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Mastering Data Structures and Algorithms – PW Skills

Feb 2024 – Dec 2024

SQL: From Zero to Hero – Udemy

Jan 2025

Software Engineering Job Simulation – JPMorgan Chase & Co.

Aug 2025