Yuvraj Pratap Singh

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EDUCATION

Vellore Institute of Technology, Bhopal   **2022 − 2026**
B.Tech in Computer Science and Engineering – CGPA: 8.31   *Bhopal, Madhya Pradesh*

City Montessori School – ISC (Class 12th)   **2020 − 2022**
Percentage: 91%   *Lucknow, Uttar Pradesh*

City Montessori School – ICSE (Class 10th)   **2018 − 2020**
Percentage: 88.8%   *Lucknow, Uttar Pradesh*

SKILLS

- **Languages:** C++, Java, Python, JavaScript, SQL
- **Web & App Development:** React.js, Node.js, Express, React Native, HTML/CSS
- **Database/Tools:** MongoDB, MySQL, Git, Postman, Firebase, AWS, Linux
- **Concepts:** OOP, REST APIs, MVC Architecture, Data Structures, Algorithms

PROJECTS

TutorBot − AI Tutoring Assistant   **2025**
Python, Flask, OpenAI, ML
- Developed an AI chatbot providing subject-wise academic support to students.
- Used OpenAI APIs to understand user intent and respond with topic-specific solutions.
- Built dynamic learning modules that adapted to student performance using NLP.
- Improved student outcomes by enhancing clarity in conceptual understanding.

Apollo − Ride-Hailing App   **2024**
React Native, Express, MongoDB
- Designed a ride-booking application with real-time driver-passenger matching.
- Implemented Google Maps API for live GPS tracking and route rendering.
- Handled backend authentication, fare calculation, and driver rating system.
- Processed secure payments using integrated Stripe API for a smooth UX.

VIT Exchange − Student Marketplace   **2023**
React, Node.js, MongoDB, AWS
- Developed a peer-to-peer item exchange platform for students across VIT campuses.
- Incorporated JWT-based login, item verification, and secure real-time chats.
- Deployed on AWS with CI/CD pipelines for continuous integration and scalability.

CERTIFICATIONS & ACHIEVEMENTS

- Mastering Data Structures and Algorithms – Udemy
- C++ Programming – Udemy
- Graph Data Structures for Competitive Programming – Udemy
- Data Structures and Algorithms – HackerRank
- 5-Star Ratings in Java, C++, C, Python – HackerRank
- Built and maintained personal GitHub portfolio with open-source contributions.

LEADERSHIP & EXTRACURRICULAR

- Led a 10-member Creative Team at Google Developers Group (GDG), organizing workshops and speaker sessions.
- Managed logistics and event planning for annual tech fest involving 1,000+ attendees.
- Actively contributed to club hackathons and ideathons as evaluator.