

YUVRAJ PRATAP SINGH

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EDUCATION

Vellore Institute of Technology, Bhopal

2022 – 2026

B.Tech - Computer Science and Engineering - **CGPA - 8.42**

Bhopal, Madhya Pradesh

PROJECTS

Vit Exchange

2023

React, Node.js, MongoDB

- Developed a secure and user-friendly platform for students to buy and sell items, facilitating over 500 transactions.
- Implemented a real-time chat system using Socket.IO, reducing communication delays by 30%.
- Ensured scalability by leveraging AWS EC2 instances and S3 storage for optimal performance.

Apollo - Uber Clone

2024

React Native, Node.js, Express, MongoDB

- Developed a scalable ride-hailing application similar to Uber, completing over 200+ rides in the initial month.
- Integrated Google Maps API for efficient routing and geolocation accuracy.
- Implemented secure Stripe payment gateways for seamless transactions.

TutorBot

2025

Python, Flask, OpenAI API, Machine Learning

- Built a personalized AI-powered tutoring chatbot using OpenAI APIs, assisting 300+ students.
- Developed a natural language understanding model for personalized student recommendations.
- Achieved 25% increased student engagement through adaptive learning paths.

CERTIFICATIONS

- Mastering Data Structure and Algorithms - Udemy
- C++ - Udemy
- Graph Data Structure for CP - Udemy
- Data Structures and Algorithms Certificate - Hackerrank
- 5-Star Ratings in Java, C++, C, and Python - Hackerrank

EXTRACURRICULAR

- Led a 10-member Creative Team for Google Developers Groups (GDG), organizing workshops with 500+ attendees.
- Mentored 30+ students in basic C++ and DSA concepts, increasing coding proficiency by 20%.
- Managed logistics for the college tech fest, ensuring successful participation of 1,000+ students.