

Vivek Chouhan

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EDUCATION

VIT Bhopal University <i>B.Tech in Computer Science and Engineering Cloud Computing and Automation – CGPA: 8.87</i>	Bhopal Nov 2022 – Present
Shri Cloth Market Vaishnav Higher Secondary School <i>12th Secondary School Examination, CBSE Board – 90.2%</i>	Indore July 2022
Shri Cloth Market Vaishnav Higher Secondary School <i>10th Senior School Examination, CBSE Board – 81.8%</i>	Indore March 2020

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, SQL, JavaScript, HTML/CSS
Web/Frameworks: React.js, Node.js, Tailwind CSS
Databases & Data: MySQL, MongoDB, CSV/JSON handling
Tools & DevOps: Git, GitHub, VS Code, VirtualBox
Cloud Platforms: Amazon Web Services (EC2, S3, RDS), Google Cloud Platform
Relevant Coursework: Data Structures, Object-Oriented Programming (OOP), Operating Systems, Computer Networks

PROJECTS

DiagnosIQ React, Django, PostgreSQL, SVM – Architected medical diagnosis platform processing 15+ symptom inputs with 92% prediction accuracy across 1,500+ sessions. – Constructed Django REST APIs handling 750+ hourly requests achieving 1.1s average response time. – Implemented PostgreSQL database storing 2,500+ encrypted patient records with JWT authentication. – Trained SVM classifier analyzing 12,000+ medical samples delivering predictions in 0.7s with 94% F1-score.	February 2025 – April 2025
HemoVue React.js, Node.js, MongoDB, Flask, Arduino – Engineered physiological monitoring platform capturing 600+ SpO2 readings daily with 91% hemoglobin accuracy. – Built React.js dashboard visualizing 15+ biometric parameters reducing assessment time by 68%. – Developed Node.js APIs processing 1,200+ requests/hour with Flask microservice at 2.1s latency. – Integrated MAX30100 sensor achieving 96% reliability while logging 12,000+ records in MongoDB.	January 2024 – June 2024
PixelPerfect AI React.js, Vite, JavaScript, REST APIs, HTML/CSS – Built a high-speed, AI-powered image enhancer using React.js and Vite for optimal user interaction. – Orchestrated REST API integrations to automate high-fidelity image upscaling and artifact removal. – Mastered asynchronous data flow using React Hooks for reliable UI state and instant result previews. – Crafted a pixel-perfect UI with advanced CSS to streamline the image enhancement workflow.	January 2023 – March 2023

EXTRACURRICULAR & ACHIEVEMENTS

- Coordinated social media strategy for VIT Mozilla Firefox Club reaching 500+ community members across 4 platforms.
- Secured 3rd position in inter-college weightlifting championship (55kg category) competing against 28+ athletes.
- Earned Runner-up position in "Front-End Sprint" hackathon defeating 55+ teams with React.js solution in 20-hour timeframe.

CERTIFICATIONS

Generative AI – IBM Center for Excellence IBM	March 2025
Blockchain Fundamentals – IBM Center for Excellence IBM	May 2025
Blockchain Developer – IBM Center for Excellence IBM	June 2025