

Vishnu Patel

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Skills

- **Languages:** Java , C++, C, Python, JavaScript, HTML, Cascading Style Sheets (CSS)
- **Technologies:** React JS, Next JS, Tailwind CSS, Node JS, Express JS, Redux, Postman
- **Databases:** MongoDB, MySQL
- **Tools:** Git, GitHub, bcrypt
- **Development Methodologies:** Agile Development, SDLC, Scrum

Education

Vellore Institute of Technology	2022 – 2026
<i>B.Tech in CSE (Bioinformatics)</i>	CGPA: 8.17
SKPS School, Indore (M.P)	2019 – 2021
<i>Class XII (CBSE) - PCM</i>	Aggregate: 79%
Vidyasagar School, Indore (M.P)	2007 – 2019
<i>Class X (CBSE)</i>	Aggregate: 89%

Projects

Charity Donation Web App	Next.js, Node.js, Ethereum, Solidity, Web3, Express, Metamask
<ul style="list-style-type: none">• Blockchain based solution to cut the involvement of a 3rd party in charitable donations and to achieve full transparency with donors.• Deployed on Ethereum Sepolia testnet, handled 50+ mock transactions with 100% accuracy using metamask.• Integrated with Etherscan to let the donors know the organization expenditures for transparency.• Provided a solution approach for organization managers to create transactions request which gets approval and later once transactions completed are visible to the donors.• Provided further visibility to donors to let them know the amount of donors, balance of a organization and all the till date transactions.	
AI-Powered Video Management Web App	Next.js, NextAuth.js, MongoDB, ImageKit API
<ul style="list-style-type: none">• Built a full-stack video management platform using Next.js with NextAuth.js for secure authentication and MongoDB, supporting 50+ video records with seamless session control.• Integrated ImageKit API to upload and optimize videos up to 200MB with real-time progress tracking and CDN delivery, reducing load time by 40%.• Enabled 5+ AI transformations (auto-thumbnail generation, smart cropping, visual enhancement, etc.) through ImageKit's dynamic URL parameters.• Implemented protected routes and role-based access control for 3+ user roles using NextAuth.• Developed 10+ responsive UI components ensuring <1.5s average interaction latency for uploads and AI edits.	
School Management System	React, Redux, Express.js, bcrypt
<ul style="list-style-type: none">• Built scalable modules for enrollment, attendance, exams, and scheduling—handling data for 1,000+ students.• Used Material UI for mobile-responsive design with 95% Lighthouse performance score.• Ensured secure authentication with bcrypt, hashing over 500 passwords, and supporting login for different user types.	

Certifications And Coursework

- Microsoft Azure AI Fundamentals (AI-900)
- Data Structures and Algorithms, OOP, Web Development, Software Engineering, CAO, TOC, CN, DBMS, Cryptography and Network Security

Achievements

- Represented school in TCS IT Wiz (nationwide quiz).
- Top 20 G20 Quiz candidate from VIT.
- Solved more than 300 problems on Data Structures And Algorithms on various platforms like Leetcode, GFG, Codeforces, Hackerrank.

Positions of Responsibility

Mozilla Firefox Club	Jun 2023 – May 2025
<i>Senior Core Member</i>	
<ul style="list-style-type: none">• Organized programming competition with 100+ students.• Facilitated various events such as workshops and hackathons.	
Bulls and Bears Club	Mar 2023 – Aug 2023
<i>Core Member</i>	
<ul style="list-style-type: none">• Review panelist for Hackstory (45+ teams).• Conducted “Cashflow” event in Gravitas'23.	
Techfest IIT Bombay	Jun 2023 – Dec 2023
<i>Campus Ambassador</i>	
<ul style="list-style-type: none">• Promoted Techfest and executed campus engagement tasks.	