

# 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

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

## Projects

<b>Charity Donation Web App</b>	Next.js, Node.js, Ethereum, Solidity, Web3, Express, Metamask
• 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.	
<b>AI-Powered Video Management Web App</b>	Next.js, NextAuth.js, MongoDB, ImageKit API
• 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.	
<b>School Management System</b>	React, Redux, Express.js, bcrypt
• 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

<b>Mozilla Firefox Club</b>	Jun 2023 – May 2025
<i>Senior Core Member</i>	
• Organized programming competition with 100+ students.	
• Facilitated various events such as workshops and hackathons.	
<b>Bulls and Bears Club</b>	Mar 2023 – Aug 2023
<i>Core Member</i>	
• Review panelist for Hackstory (45+ teams).	
• Conducted “Cashflow” event in Gravitas'23.	
<b>Techfest IIT Bombay</b>	Jun 2023 – Dec 2023
<i>Campus Ambassador</i>	
• Promoted Techfest and executed campus engagement tasks.	