

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

Projects

- Charity Donation Web App** 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.
- AI-Powered Video Management Web App** 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 $j1.5s$ average interaction latency for uploads and AI edits.
- School Management System** 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

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