

Vedant Mahalle



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Education

Vishwakarma Institute of Technology, Pune, B.Tech in Computer Science Engineering

2023-2027

- Class 10: 90
- Class 12: 80
- CGPA: 8.58
- **Skills:** Full-Stack MERN & Cloud/DevOps Engineer

Freelancing Experience

Orphan Assist

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- Engineered Orphan Assist, enabling citizens to report orphans via photo + location, notifying nearest NGOs for timely assistance..
- MERN, GPS/Maps API, Image Upload, Cloud

Lexi Copilot

[See More](#)

- Built Lexi Copilot, an AI legal SaaS that performs case similarity analysis, legal research, multilingual notice translation, automated notice drafting, and acts as an intelligent copilot assistant for lawyers.
- Stack: React, Node.js, Vite, Clerk, Google AI, MongoDB.

Projects

StreamFlix

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- Developed a proof-of-concept P2P video streaming engine using Next.js and WebTorrent, demonstrating a decentralized and resilient content delivery model. The engine streams video from magnet links by fetching fragments from multiple peers simultaneously, featuring a front-end with real-time performance metrics.
- Tech Stack Used: Next.js , WebTorrent , PirateBay Scraper

[See More](#)

Noter – Terminal Text Editor (C++)

- Built a lightweight text editor for Linux terminal using C, supporting file I/O, cursor movement, and real-time text editing via termios and ANSI escape codes.

[See More](#)

Online Chess Game

- Developed a real-time two-player chess game in Java using Swing and sockets, featuring move validation and check/checkmate detection.
- Deployed the server on AWS EC2 for scalable multiplayer support with low latency.

Skills Summary

- **Languages:** Java, C++, C, JavaScript, TypeScript, Python
- **Frameworks:** React.js, Next.js, Node.js
- **Databases:** MongoDB, PostgreSQL
- **Tools:** Docker, Git, AWS (EC2, S3)

Patents

Rapid Rescue

July 2025

A women's safety-focused system designed to ensure emergency response for female patients through real-time tracking, instant alerts, and secure communication. Rapid Rescue enhances security during critical situations. (Application No. 202521038384)