

Omkar Wadekar

Portfolio: [omkarvw.app](#)
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EDUCATION

- Indian Institute of Information Technology** Jabalpur, India
Bachelor of Technology - Computer Science; CPI: 8.8 *July 2021 - Present*
Courses: Operating Systems, Data Structures and Algorithms, Databases, Networking, Artificial Intelligence, Digital Watermarking

SKILLS SUMMARY

- Languages:** JavaScript, C++, C Solidity, SQL, JAVA.
- Frameworks:** NodeJS, ReactJS, ExpressJS, Web3.js, Redux.
- Tools:** MongoDB, Postman, GIT, Github, Truffle, Remix IDE.
- Certifications:** Advanced Distributed Systems, Parallel Computer Architecture, Blockchain, Data Science.

PROJECTS

- FlipHealth - Blockchain based PHR management system :**
 - Implemented Aadhar and Metamask authentication, authorisation and identity-management.
 - Encrypted data storage on IPFS (Inter-Planetary File Storage) and Decentralized network.
 - Developed user-friendly interfaces for 5 stakeholders, enabling seamless document management across 10+ formats and access management for verified entities using smart contracts.
 - Technologies used:** ReactJS, NodeJS (Proxy Server), Web3.js, Solidity, Ethereum, Aadhaar KYC, MUI.
 - Live URL:** <https://fliphealth.vercel.app/> **Github:** <https://github.com/omkarvw/fliphealth>
- Netropolis - Matching Platform for Rural Labor and Cultural Experience :**
 - Addressed rural labor shortages by developing a platform to match tasks in rural areas with users seeking local cultural experiences.
 - Implemented features including Google OAuth 2.0 login, Google calendar, quest registration, scheduling, and user quest search using VectorDB and LLM.
 - Technologies used:** React + Vite, Tailwind CSS, Django Rest Framework, PostgreSQL, Python.
 - Live URL:** <https://netropolis-nu.vercel.app/> **Github:** <https://github.com/dhruv2185/Netropolis>
- ShopKart - E-commerce platform with Personalized Product Recommendations :**
 - Created an e-commerce website with a personalized recommender system.
 - Utilized Google OAuth 2.0 for authentication and authorisation as well as Redux-based cart features.
 - Employed a Flask API with multi-threading to train an SVD model, enhancing speed by up to 20 times and incorporating 600,000 user ratings and 22,000 products
 - Technologies used:** ReactJS, NodeJS, ExpressJS, MongoDB, Redux.
 - Live URL:** <https://shopkart-nu.vercel.app/> **Github:** <https://github.com/omkarvw/ShopKart>

VOLUNTEER EXPERIENCE

- Student Guide at Indian Institute of Information Technology** Jabalpur, India
Conducted counselling sessions for more than 20 first year students. *November 2022 - Present*
- Core member of Jazbaat-The dramatics society.** Jabalpur, India
Won street play competitions at IIT Guwahati and BITS Hyderabad. *January 2023 - Present*

ACHIEVEMENTS

- Codechef Profile Link: **4 star - 1897**
- Leetcode Profile Link.
- Codeforces Profile Link: **Pupil - 1374**
- Solved **1000+** problems across various online judges.
- Global rank 113** among **14000** participants in Starters 94 Divison 4.
- Global rank 274** in Starters 99 Divison 2.
- Global rank 575** among **40000** participants in Educational Codeforces Round 149.
- Semi-Finalist** of Flipkart GRiD 5.0 Software Development Track among 397000+ participants - **Top 1.5%**.
- Semi-Finalist** of Flipkart GRiD 5.0 Health+ Track - **Top 2.5%**