

SARVESH KUMBHARDE

+91-9175991442 | sarveshkumbharde@gmail.com | LinkedIn

EDUCATION

Pune Institute of Computer Technology

B.E. in Information Technology

Nov 2022 – Present

GPA: 7.00 / 10

Global Public School, Nashik

HSC (Class XII)

2020 – 2021

Percentage: 90.67%

EXPERIENCE

PICT, Pune – Intern

Feb 2025 – Apr 2025 | 


Backend of Incident Reporting App / Node.js, Express, MongoDB, Socket.io

- Developed a backend of **Incident Reporting and Management System** enabling users to report civic or safety incidents with image uploads and severity levels
- Implemented **role-based access control (RBAC)** with distinct functionalities for **Admin**, **Authority**, and **User** roles
- Implemented **Socket.io** for real time notification whenever the incident reported, assigned or status is changed
- Utilized **MongoDB** and **Mongoose** for efficient incident storage, relational mapping, and query optimization
- Implemented backend REST APIs using **Node.js** and **Express.js** for seamless data flow between frontend and database


PROJECTS

CODECOLAB – Real-time Collaborative Code Editor | React, Node.js, Express, MongoDB, Socket.IO 

- Built a collaborative online code editor supporting **real-time conflict free editing using YJS CRDTs and Monaco Editor**
- Integrated **WebSocket-based synchronization** for multi-user coding, cursor sharing, and live presence indicators
- Implemented cloud-based code execution using the **Piston API** supporting JavaScript, Python, C, C++, Java, and Go
- Integrated **Socket.io** for real-time chatting and database to store user's chats

QUICK.AI – SAAS Web Application | React, Node.js, Express, PostgreSQL 

- Developed a **multi-service AI SaaS platform** offering resume review, blog generation, image generation, and image editing
- Integrated **Gemini API** for content generation, **ClipDrop API** for image creation, and **Cloudinary API** for image editing
- Implemented **Google OAuth authentication and JWT-based authorization** without third-party auth providers
- Built **subscription-based access control** using **Stripe Checkout and Webhooks**, with a yearly premium plan and lazy expiry using database-driven entitlements
- Applied **Redis caching** to store AI outputs, improving response times and reducing API costs
- Implemented **rate limiting** to prevent service abuse and protect backend infrastructure

FOREVER – E-commerce Website | React, Express, Node.js, MongoDB 

- Developed a fully responsive e-commerce platform with separate product catalogs for **men, women, and kids**
- Implemented **role-based access control** with distinct authentication flows for users and administrators
- Built comprehensive **admin dashboard** for product management, inventory tracking, and order processing
- Integrated **secure payment gateways** (Stripe and Razorpay) with proper transaction handling
- Utilized **MongoDB** for efficient management of products, user accounts, and order history
- Implemented advanced filtering and sorting features with dynamic search functionality for improved user navigation

TECHNICAL SKILLS

- **Languages:** C++(for DSA and OOP) | JavaScript | SQL
- **Backend:** Node.js, Express.js, REST APIs, JWT Auth, OAuth
- **Frontend:** React
- **Databases:** MySQL | MongoDB | PostgreSQL
- **Other:** Socket.IO | Redis Cache
- **Tools:** VS Code | Git & Github | Postman
- **CS Fundamentals:** DSA | OOP | DBMS | OS

ACHIEVEMENTS

- Solved 400+ problems on Leetcode, strengthening Data Structures and Algorithms
- Secured 99.13 PCM percentile in Maharashtra CET and 96.09 percentile in JEE MAINS