

HARSH HANDE

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EDUCATION

MIT ADT University, Loni Kalbhor

Bachelors in Technology | Branch: Computer Science and Engineering | CGPA: 8.35

Pune, Maharashtra

2020 - 2024

TECHNICAL SKILLS

Languages : C++, HTML, CSS, JavaScript, Nodejs, Golang, TypeScript, Python

Web Technologies and Frameworks: Reactjs, Nextjs, Expressjs, TailwindCSS, Docker

Deployment and Version Control: Git and Github

Databases: MySQL, MonogoDB, PostgreSQL

EXPERIENCE

Web Developer Intern

March 2024 - May 2024

Innovation Hacks AI

- Developed and maintained a robust **Golang backend**, handling over large database entries and ensuring query response times under 100ms for seamless data retrieval.
- Crafted advanced data visualization features using **React.js**, creating interactive charts and graphs that enhanced user engagement by 30%.
- Utilized **Tailwind CSS** for responsive and efficient styling

KEY PROJECTS

PayTM Wallet | *Full Stack Project*

- Engineered a Paytm clone leveraging a full-stack solution with **NextJS** framework for frontend, **ExpressJS** and NodeJS for the backend, and **PostgreSQL** for data management, focusing on Paytm Wallet transfer and P2P money transfer money feature.
- Developed backend infrastructure utilizing Express.js and integrating multiple APIs, which resulted in a 40% reduction in response time.
- Successfully implemented **NextAuth** for Authentication and **TailwindCSS** for styling.

P2P Video Calling App | *WebRTC, Web Sockets*

- Built a video calling app leveraging **WebRTC and WebSocket** technologies, enabling seamless peer-to-peer (only 2 users) video streaming, powered by an ExpressJS and NodeJS backend.
- Applied ReactJS optimized with Hooks and the **Web API (socket.io)**, achieving a 40% reduction in unnecessary component re-renders, resulting in a 30% improvement in load times.
- Leveraged WebSocket technology (specifically Socket.IO) to architect and implement a virtual server, enabling seamless real-time connectivity between two users.

3-Tier Architecture using AWS | *Cloud Computing (Amazon Web Services)*

- Designed a scalable and secure architecture with VPC, subnets, auto-scaling, and a bastion host for multi-tier application deployment.
- Setted data storage across multiple Availability Zones, ensuring 99.99% data availability and resilience against zone failures.

ADDITIONAL COURSES/TRAININGS UNDERTAKEN

AWS Cloud Foundations

Amazon Web Services Training and Certification

March 2023 - April 2023

ACHIEVEMENTS

- 24th rank out of 400 teams in **IIT Madars Embedded Security CTF Competiton**
- **Gold Medalist in KickBoxing** at National Federation Level Championship (2018)