






Sayed Mohammed Nouman

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Experience

Tata Institute of Fundamental Research (TIFR)

Mumbai, MH

Project Intern (Software)

Aug '23 - May '24

- Developed an integrated IT inventory management system using LAMP stack, consolidating features from multiple existing systems.
- Unified tracking of IT assets, users, intents, purchase orders, and invoices into a single platform.
- Utilized CodeIgniter4 (PHP) for backend and Alpine.js for frontend interactivity, ensuring seamless integration of disparate functionalities.
- Optimized database schema for consolidated data management and dockerized the project for easier deployment.

TechNode

Mumbai, MH

Web Development Intern

May '23 - Oct '23

- Engineered a real-time monitoring dashboard for IoT gateway devices using Next.js, Tailwind CSS, and Jotai.
- Achieved over 50% RAM usage reduction by implementing canvas-based graphs, significantly enhancing performance for large datasets.
- Designed customizable widgets with ApexCharts, elevating data visualization capabilities.
- Integrated Socket.io for live updates, boosting user experience and data accuracy.
- Orchestrated a multi-service production environment using Nginx, streamlining deployment of Frontend, Backend, and Socket services.

Projects

Couponzo

Mar 2023

- Co-developed Couponzo, a headless promotion engine started as a hackathon project.
- Led React frontend development for efficient coupon management and visualization.
- Designed and implemented coupon redeem and verification controllers using Express and MongoDB.

Weframe-chat

Jan 2023

- Built real-time chat app using Next.js, Tailwind CSS, and Socket.io.
- Integrated Firebase for authentication and Supabase with Prisma ORM for database management.

Yet Another yt-cli

May 2022

- Developed a Python CLI tool for YouTube video search and playback using mpv player.
- Implemented web scraping with BeautifulSoup4 and integrated youtube-dl for video handling.

FlowTime

Sep 2021

- Developed a Java Swing application for time management, featuring a customizable Pomodoro-style timer.
- Implemented multi-task support and user-configurable work sessions to enhance productivity.

Technologies I'm familiar with

Languages & Frameworks: JavaScript, Python, C++, Java, React, HTML, CSS, Node.js (Express), Flask, TypeScript, Next.js, Tailwind CSS

Databases & Cloud: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Firebase), AWS (lightsail, EC2 & Lambda), Supabase, Firebase

Tools & Other Technologies: Git, Bash, Linux, Docker, Selenium, GitHub Actions

Education

M.H. Saboo Siddik College of Engineering

Mumbai, MH

Bachelor of Engineering in Information Technology | CGPA 8.32

2020–2024

Coursework: Data Structures & Algorithms, Data Science, Operating Systems, Databases, Computer Networks

Achievements

Achievements

- Secured 1st place in intra college Codefeast '22 event conducted by Programmers club.
- Reached semi-finals in Project Deep Blue season 7 in the License Plate Identification category.
- Received a special category prize for the Most Innovative Web3 Idea in the ERR 404 5.0 hackathon.