Sayed Mohammed Nouman

📬 skyhero.code@gmail.com ☎ (+91) 75060 37276 🖥 skyhero.me 🐙 Skyhero-alt 🔗 skyhero

💼 Experience

QAD Inc. **Mumbai, MH**
Graduate Engineering Trainee Aug '24 - Present
- Improved QAD's ERP system by fixing financial reporting and document generation issues to meet regional compliance requirements.
- Developed a prepayment tracking feature, displaying tax and consumed amounts to enhance financial transparency for international users.
- Ensured accurate tax calculations by resolving reporting discrepancies, aligning with country-specific regulations.
- Enhanced document processing by integrating tax-related fields, improving clarity and usability for enterprise financial records.

Tata Institute of Fundamental Research (TIFR) **Mumbai, MH**
Project Intern (Software) Aug '23 - May '24
- Built an integrated IT inventory management system using LAMP stack, consolidating features from multiple existing tools.
- Developed unified tracking for IT assets, users, purchase orders, and invoices, streamlining operations.
- Used CodeIgniter4 (PHP) for backend and Alpine.js for frontend, ensuring seamless functionality.
- Optimized database schema and containerized the system with Docker for easy 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.
- Optimized real-time data visualization with canvas-based graphs and ApexCharts, reducing RAM usage by 50% and improving performance on large datasets.
- Implemented Socket.io for live updates, enhancing user experience and data accuracy.
- Managed multi-service deployment with Nginx, streamlining frontend, backend, and WebSocket services.

🔧 Projects

Couponzo Mar 2023
- Co-created Couponzo, a web app for businesses to manage and distribute digital coupons.
- Led the React frontend for efficient coupon management and visualization.
- Built coupon redemption and verification controllers using Express and MongoDB.

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, Express, Progress4GL, Flask, Next.js
Databases & Cloud: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Firebase), AWS (lightsail, EC2 & Lambda), Supabase, Firebase
Tools & Other Technologies: Git, Bash, Linux, Docker, 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

- 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.