





Mustafa Sarangpurwala

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EDUCATION

Thadomal Shahani Engineering College
B.E. Artificial Intelligence and Data Science

November 2022 - May 2026
Current GPA: 9.42/10.0

SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript, HTML/CSS

Libraries/Frameworks: React.js, Node.js, Express.js, Next.js, AI/ML, Scikit-Learn, Three.js, GSAP, Tailwind CSS, SASS, Framer Motion, Material UI

Databases : MongoDB, MySQL, MySQLite

Tools : RestAPI, VSCode, Sanity, Git, GitHub

EXPERIENCE

Rampup InfoTech | *Internship*

July 2024 – Oct 2024

- Developing responsive frontend pages using **Next.js**, significantly enhancing the user experience and performance across the platform.
- Building and integrating **RESTful API** endpoints to enable seamless data flow and communication between the frontend and backend.
- Successfully implemented Role-Based Access Control (RBAC) for the Admin Panel, securing access for over **150+ user roles**, ensuring robust authorization management.
- Integrated **AWS S3** for efficient cloud storage, enabling fast and secure file management, and improving retrieval performance.
- Implemented **Xero integration** within the platform, streamlining accounting processes and enhancing financial tracking, resulting in improved operational efficiency.

CSI committee | *TechTeam Member*

July 2023 – Apr 2024

- Part of TechTeam
- Responsible For Designing Website and Discord server for the committee

PROJECTS

YC Directory | *Next.js, TypeScript, Sanity, Tailwind CSS* | [Source Code](#)

Nov. 2024

- Developed a full-stack web application using Next.js 15 with TypeScript, implementing partial server-side rendering, server-side rendering, dynamic routing, and server actions for optimal performance and SEO. Integrated Next Auth for secure **GitHub authentication** and user management.
- Built a content management system using **Sanity.io** with custom schema definitions, GROQ queries, and real-time updates. Implemented custom validation using **Zod** and integrated markdown support for rich content editing using **MDEditor**.
- Designed and implemented a responsive UI using Tailwind CSS with custom component styling, animations, and a consistent design system. Created reusable components like 'Toast' and 'Button' for a cohesive user experience.
- Implemented **progressive rendering** with React Suspense, optimized image loading with Next.js Image component, and utilized incremental static regeneration for improved performance. Added **view tracking and real-time updates** using Sanity Live Preview.

AuditPro | *React.js, Tailwind Css, MongoDB, Flutter, Blockchain, AI* | [Source Code](#)

Oct. 2024

- Secured 3rd place at Code Odyssey 3.0 (KJSIT), a 30-hour hackathon, by developing an audit and compliance tracking platform with innovative features.
- Streamlined auditing processes with multi-mode transaction entries (manual, CSV uploads, Tally integration) and automated anomaly detection, reducing audit time significantly.
- Developed a mobile companion app featuring OCR for real-time anomaly detection from scanned bank statements and integrated collaboration tools like Google Docs, notes, and Zoom scheduling.
- Leveraged blockchain technology (via Ganache) for secure transaction history storage, enhanced with biometric authentication and a custom AI-powered chatbot for compliance-related queries.

SafeRakshak | *React.js, React Native, Tailwind CSS, Express.js, MongoDB, Node.js* | [Source Code](#)

Sept. 2024

- Secured **3rd place at HackDeck (ACE)**, a 24-hour hackathon, by developing a crowd-sourced safety map for urban navigation.
- Designed an intuitive Admin interface for web and mobile, enabling real-time incident reporting through a community forum.
- Implemented **heatmaps** to highlight high-risk areas and designed routes that avoid crime-prone zones for safer user navigation.
- Integrated **shortest and safest pathfinding algorithms** to provide users with real-time, optimized, and secure routes.

Simulation Of Job Sequencing | *Python, Git, Vs Code* | [Source Code](#)

- Developed a job sequencing simulator with **Tkinter** to provide a visual representation of scheduling tasks.
- Implemented a **Simulated Annealing algorithm** for optimizing job sequencing with deadlines, achieving a balance between exploration and exploitation for near-optimal scheduling results.
- Customized a **Genetic Algorithm** to enhance job sequencing efficiency, leveraging evolutionary techniques to significantly improve performance over traditional scheduling methods.

CERTIFICATION

Google Cloud Boost (2023) | [Source](#)
2 x Hackathon Winner