Craig Rosario

+91 8591142015 | craig.rosario04@gmail.com | www.linkedin.com/in/craig-rosario | github.com/Craig-Rosario

EDUCATION

K.J. Somaiya College of Engineering	**9.9 CGPA (4th sem)**
Bachelor of Technology in Computer Engineering, Honours in Data Science and Analytics	*2023 - 2027*
Pace Junior Science College	**79.17%**
Higher Secondary Certificate (HSC)	*2021 - 2023*
S.M. Shetty High School and Jr. College	**89.14%**
Secondary School Certificate (SSC)	*2011 - 2021*

EXPERIENCE

Google Summer of Code Contributor May 2025 – Sept 2025

Contributor at The Mifos Initiative

- Selected as one of **1200** contributors out of **15000+** applicants worldwide for Google Summer of Code 2025.
- Migrated the **Mifos X Web App** from Angular to a modern React-based stack using TypeScript, Redux Toolkit, Tailwind, and ShadCN components.
- Integrated Apache Fineract APIs to enable secure, real-time financial data operations in the new UI.

Somaiya Development Cell (SwDC) Dec 2024 – Present

Full-Stack Developer

- Developed a comprehensive PhD portal for **Somaiya Vidyavihar University**, streamlining the registration and thesis submission process.
- Implemented tracking and management features to facilitate seamless monitoring of PhD progress.

PROJECTS

TourRaksha | *Next.js, PostgreSQL, Solidity* ⌾

- Developed a **Smart Tourist Safety Monitoring & Incident Response System** combining AI, blockchain, and geo-fencing to enhance travel safety.
- Implemented AI anomaly detection to identify unusual tourist movement patterns and trigger instant alerts.
- Built a blockchain-based digital identity system ensuring tamper-proof tourist records.
- Created a police dashboard website (**Next.js**) for real-time incident response, tourist tracking, and E-FIR generation.

runFT | *React, MongoDB, Express, Solidity* ⌾

- Built a decentralized **fitness tracking dApp** integrating **Strava API** with blockchain to record verified running activities.
- Issued **NFT-based achievement badges** as proof of workout, enabling runners to showcase performance.
- Developed smart contracts in **Solidity** for secure NFT minting and marketplace integration.
- Created **Geo-based** running zones, where activities were categorized to mine points and unlock NFT rewards.
- Developed a responsive React frontend and Express backend with MongoDB for storing user activity.

Mifos X Web UI Migration | *React, TypeScript, ShadCN, Redux, Apache Fineract* ⌾

- As part of the Google Summer of Code project, led the migration of the Mifos X Web App from Angular to React to improve performance and maintainability.
- Built reusable, accessible UI components using ShadCN, React, and Tailwind CSS.
- Connected frontend with Apache Fineract backend via OpenAPI TypeScript client for real-time interactions.

Somaiya PhD Portal | *React, Node.js, Express, PostgreSQL*

- Designed and developed a dynamic, user-friendly **React** frontend for seamless navigation.
- Built a scalable backend using **Node.js/Express** and **PostgreSQL** to handle registration and thesis data.
- Once deployed, the platform aims to serve **100+ PhD students**.

TECHNICAL SKILLS

Languages: C/C++, TypeScript, JavaScript, Python, Java, Solidity, HTML/CSS
Frameworks/Libraries: React, Redux Toolkit, Node.js, Express.js, Tailwind, Bootstrap
Databases: MongoDB, PostgreSQL, MySQL, SQL
Developer Tools: Git/GitHub, Vercel, Vite, ShadCN, Docker, OpenAPI, Postman, VS Code