Craig Rosario

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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 Examination, HSC — *2021-2023*

S.M Shetty High School and Jr.College — **89.14%**
Secondary School Certificate Examination, SSC — *2011-2021*

EXPERIENCE

Google Summer of Code Contributor — May 2025 – Present
Contributor at The Mifos Initative
- Selected as one of approximately **1200** contributors out of **15000+** applicants worldwide for Google Summer of Code 2025 with The Mifos Initiative. This project is used by financial institutions in developing countries; part of a global effort to enable financial inclusion through tech.
- Migrating the **Mifos X Web UI** from Angular to a modern React-based stack using TypeScript, OpenAPI Typescript client, Tailwind CSS, Redux Toolkit, and ShadCN reusable components.
- Integrating Apache Fineract APIs to enable seamless, secure 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 process and enhancing user experience.
- Integrated a thesis submission system, improving workflow efficiency for students and administrators.
- Implemented tracking and management features to facilitate seamless monitoring of PhD progress.

CSI KJSCE (Technical Council) — Aug 2024 – May 2025
Operations Team Member
- Organized technical events as part of the largest tech club on campus, fostering a culture of learning and innovation.
- Delivered a session on Data Structures and Algorithms (**DSA**) and competitive programming to **400+** first-year students, enhancing their coding and problem-solving skills.
- Played a key role in organizing Mumbai's largest hackathon, in association with Union Bank and the Government of India, featuring a prize pool of over **11 lakh**, ensuring its successful execution.

PROJECTS

Mifos X Web UI Migration | *React, TypeScript, ShadCN, Redux, Apache Fineract* — May 2025 – Present
- Led the migration of the Mifos X Web UI from Angular to React to improve performance, maintainability, and developer experience.
- Building responsive, accessible UI components using **React, TypeScript, Tailwind CSS, and ShadCN**, following modern design best practices.
- Connecting the React frontend with **Apache Fineract** backend services via REST APIs by using the **OpenAPI typescript client generator** to enable real-time data interactions for key banking workflows.

Somaiya PhD Portal | *React, Node, Express, PostgreSQL* — Dec 2024 – Present
- Designed and developed a dynamic, user-friendly **React** frontend for seamless navigation and interaction.
- Building a scalable backend using **Node.js** and **Express** to efficiently handle user registration and thesis submission. Utilizing **PostgreSQL** to store and manage student data in the database.
- Once in production, the website aims to serve **100+ PhD students**.

TECHNICAL SKILLS

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