

Darren Dsouza

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EDUCATION

Fr. Conceicao Rodrigues of Institute of Technology

Bachelor of Technology in Computer Science, Secured an aggregate of 8.6 CGPA till now Vashi, NaviMumbai December 2021 - May 2025

New Horizon Public School

Higher Secondary Certificate Examination, Secured an aggregate of 86 percentage Khanda Colony, Panvel June 2019 - May 2021

EXPERIENCE

SamagraX

June 2024 - Septemeber 2024

Project-Intern

Remote

- Architected and implemented controller-level interceptors within Stencil, utilizing Grafana API and Prometheus, leading to a 30% enhancement in user experience through superior metrics visualization.

Layer5 and Meshery

March 2023 - August 2023

Community Leader and Mentor

Remote

- Identified and resolved multiple bugs, Enriched the UI experience of the contributors page, and applied tooltips to improve user interaction, and Assisted **50+ contributors**.

PROJECTS

GeoGuard | React, Firebase, CSS, NodeJs, Google Maps API, GCP, YOLOv8

January 2024 - March 2024

- Centralized public safety system that utilizes both private and public cctv cameras to boost community security
- Enhanced surveillance accuracy by geotagging 200+ CCTV cameras on maps and integrating tampering detection, leading to a 40% reduction in false alerts and enhanced security measures.

HSE Shieldify | React Node.js, MongoDB, Python YOLOv8, RTSP Protocol, FFmpeg

July 2023 - December 2023

- HSE Shieldify is an AI-driven safety system that ensures workplace compliance by detecting and alerting PPE violations in real time.
- The system uses cameras to detect safety gear compliance, send alerts for violations, and provide a customizable compliance dashboard.

ACHIEVEMENTS

- Techathon**(October 2024)- Secured the first runner-up position.
- Agnetion**(March 2024) -Placed in the top 10 of 200 teams at a 24-hour national hackathon.
- Hacktopia**(August 2023)- Ranked in the top 20 of 600 teams at a 32-hour national hackathon.
- HackOverflow**(March 2023)-Finished in the top 10 of 60 teams at a 48-hour national hackathon.
- Cryptex**(January 2023)- Won second prize in Web development competition.
- Bit and Build**(August 2022) Participated in an Offline 24-hour national level hackathon.

TECHNICAL SKILLS

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

Frameworks: ReactJS, NestJS, Tailwind CSS, Bootstrap, NodeJS

Tools/Databases: Git, GitHub, GitHub Actions, Docker, MongoDB, Firebase, Supabase, SQL, Figma

Soft Skills: Leadership, Event Management, Public Speaking, Strategic Thinking, Teamwork

OPEN SOURCE CONTRIBUTIONS

- Samagra-X
- Async-API
- Layer5

VOLUNTARY EXPERIENCES

GDSC Technical Head

August 2023 - May 2024

- Directed a 2-hour coding contest, curated the question set, and engaged 100 participants, resulting in a 60% improvement in coding skills and showcasing abilities.
- Organized a 3-day workshop with 80 participants, teaching machine learning fundamentals, neural networks, and visualization techniques, resulting in a 50% skill improvement.
- Conducted a seminar on Git and GitHub basics, version control, and hands-on training, engaging 100 participants.