

Isha Dadawala

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EDUCATION

Fairleigh Dickinson University

2025–2027

Master of Science in Computer Science

- Relevant coursework: Data Structures & Algorithms, Software Engineering, Database Systems, Web Technologies, Big Data Analytics, etc.
- Eligible for Software Engineering Intern roles with remaining terms after internship.

J.P. Dower Department of ICT, VNSGU

2020–2024

Bachelor of Science in Information Technology

SKILLS

Languages: Java, TypeScript, JavaScript, C++, C, Python, Go, Rust

Frameworks: React.js, AngularJS, Node.js, jQuery, Bootstrap

Databases: MySQL, SQL, Oracle, MongoDB, Relational Modeling & Normalization

Cloud / DevOps: AWS (EC2-based deployment experience), CI/CD concepts, Linux

Tools: Git, Version Control, Xcode, HTML5, CSS, Debugging & Profiling Tools, SAMI ticketing system

EXPERIENCE

SAFEInvest LLP – IT Intern | 2023–2024

- Built and maintained a dynamic CMS-based newsletter archive and admin dashboard, improving UI responsiveness, improving user engagement by 40%, cutting user search time by ~40%, and reducing manual content updates by ~50% for non-technical staff, thereby, improving operational efficiency.
- Partnered with stakeholders to refine requirements and applied software engineering and UI/UX best practices to design modular frontend/backend components, troubleshoot full-stack issues, and lower user-reported errors.

Junior Computer Lab Technician | September 2025-May 2025

- Maintain and troubleshoot 90+ lab workstations across multiple computer labs, contributing to high system availability and minimal downtime for students and faculty, along with performing OS/application updates, hardware checks, and incident escalation through the SAMI ticketing system to uphold high uptime within SLAs.
- Log end-to-end ticket handling by logging, tracking, and communicating incident status, while documenting recurring issues and fixes to reduce repeat tickets and improve support efficiency.

Senior Computer Lab Technician | June 2025-Present

- Manage day-to-day operation and maintenance of 90+ lab workstations while assisting with scheduling student workers, ensuring reliable coverage, high availability, and a seamless experience for students and faculty.
- Diagnose and resolve hardware, software, and basic network issues; document procedures; and provide input that administration uses to optimize lab operations and implement process improvements.

PROJECTS

Comubridge (e-Yantra Innovation Challenge hosted by IIT Bombay (Semi-Finalist))

- Developed a communication app for intellectual, hearing, visual, and speech-impaired users with accessible UI flows and reusable JavaScript frontend components, iterating on user and mentor feedback.
- Deployed the application to an AWS EC2 server, configuring the environment and web stack to reliably serve remote users and demonstrate cloud-based delivery.

Track-O-Bar (e-Yantra Innovation Challenge hosted by IIT Bombay (Quarterfinalist))

- Engineered a barcode-based inventory and crop lifecycle tracking solution that models crop data from field capture through reporting, with APIs and database schemas for inventory updates and history.
- Presented system architecture, constraints, and scalability considerations to academic and industry reviewers, highlighting use of data structures, algorithms, and relational design to support larger farms and data volumes.

GPS Safety Device

- Designed a wearable real-time GPS-based tracker focused on reliable real-time location updates for personal safety scenarios.
- Documented system requirements, hardware-software integration assumptions, and potential extensions for alerting and geofencing.