

Swizal Janice Dsouza

Bachelor Of Engineering
Computer Science
Sahyadri College Of Engineering & Management,Adyar

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EDUCATION

- Sahyadri College Of Engineering & Management,Adyar** 2022-2026
Bachelor Of Engineering in Computer Science CGPA: 9.65
- St Aloysius PU College** 2020-2022
Department Of Pre University Education Percentage: 78

INTERNSHIP

- Freshtronics** Jan 2025 - Feb 2025
React Developer Remote
 - Contributed to the development and optimization of web applications using ReactJS, focusing on feature implementation, debugging, and performance enhancements.
 - Worked in a remote team environment to develop reusable and scalable web modules using ReactJS, resulting in a 25% improvement in performance through effective optimization techniques.
- Incture Technologies** July 2025 – Present
Java Trainee
 - Undergoing hands-on Core Java training under the mentorship of industry professionals.
 - Engaged in practical coding sessions and structured learning modules to build strong backend development fundamentals.

PERSONAL PROJECTS

- Student Attendance Management System**
Built a scalable Student Attendance System with automated tracking and real-time reporting for educational institutions.
 - Built a full-stack attendance system with ReactJS, Spring Boot, and PostgreSQL, automating attendance calculations with database triggers.
 - Launched a multi-faceted logging system that captured real-time data for educational institutions, providing insights and analytics that achieved a significant reduction in administrative overhead for 10+ departments managing student records.
- Workflow Management System**
Engineered a task management system leveraging Next.js, Server Actions, and MongoDB to optimize task tracking, workflow efficiency.
 - Implemented end-to-end CRUD operations to manage tasks effectively, enhancing user productivity and task lifecycle management.
 - Built scalable server-side logic with Next.js Server Actions and MongoDB to ensure efficient data handling and performance optimization.
- Smart Waste Management System**
Developed smart waste management system using ReactJS,IoT and AI to automate waste segregation and enable real-time monitoring.
 - Conceptualized and built a responsive web interface for municipal waste monitoring, enabling authorities to view real-time bin data and optimize collection routes.
 - Leveraged IoT sensors (load cell, ultrasonic, moisture, metal detection) to collect and transmit data on bin status and waste composition.
 - Deployed an AI-based image recognition model to guide users in segregating waste correctly, minimizing contamination and boosting recycling rates.

TECHNICAL SKILLS

Languages: Java, JavaScript,HTML, CSS, Python (basic)
Developer Tools: VS Code, Jupyter Notebook, MySQL, PostgreSQL, IntelliJ
Backend: Node.js, Spring Boot, Express.js
Frontend Frameworks / Libraries: ReactJS, Bootstrap, Next.js
Soft Skills: Problem Solving, Team Collaboration, Time Management, Communication
Databases: MySQL, PostgreSQL, MongoDB
Language Proficiency: English, Kannada, Hindi

ACHIEVEMENTS

- Winner, Reactathon 2024** – Sahyadri College of Engineering & Management. March 2024
- Top 4 Finalist, TCS TechBytes State-Level IT Quiz 2024.** March 2025

CERTIFICATIONS

- Full Stack Web Development** – Udemy