

# Aaryen DSouza

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## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, Python, C, SQL, HTML/CSS

**Frameworks:** React, Django, Redux, Node.js, Express, WordPress, Material-UI, Bootstrap, Tailwind CSS

**Databases:** Oracle SQL, PostgreSQL, MySQL, MongoDB, PL/SQL

**Developer Tools:** Git, GitHub, VS Code, IntelliJ, Postman, Microsoft Office, Firebase, Figma, Canva, Jira

**Other Skills:** Windows, Linux/Unix (Ubuntu, CentOS), Shell Scripting

## PROFESSIONAL EXPERIENCE

**Student Data Analyst Intern** | *Power BI, Oracle SQL, MS Excel, Python, SharePoint*  
*Office of Institutional Analysis, University of Windsor*

May 2025 – Present  
Windsor, Ontario, Canada

- Developed and maintained **centralized data models and reports** using **SQL, Power BI, and Excel**, improving accessibility of key institutional metrics across departments.
- Performed **data extraction, transformation, and quality assurance** on large university datasets (100K+ records) using **SQL and Python**, ensuring accuracy and consistency in reporting.
- Created clear **process documentation and reporting guidelines**, enhancing reproducibility of analysis and reducing onboarding time for new team members.

**Software Engineer** | *Oracle SQL, MS Excel, Bash/Shell Scripting, Java, JavaScript, Linux, Jira*  
*Vermont Information Processing* Jul 2022 – Mar 2024 Mumbai, India

- Ensured data integrity by conducting data cleaning, preprocessing and validations through **Oracle SQL** and **MS Excel**, resolving 95% of data quality issues within 24 hours, and providing detailed analysis reports to stakeholders.
- Reduced issue resolution time by 40% for 100+ customer-reported issues by performing in-depth root cause analysis (RCA) on legacy app server and Oracle database, leading to faster issue identification and customer satisfaction.
- Automated ETL workflows by implementing **Bash/Shell scripts**, optimizing data workflows, and reducing manual interventions by 20%, which led to improved data onboarding efficiency.

## PROJECTS

**PlanMatrix** | *Java, Spring Boot, Selenium, React, Tailwind, System & Unit Testing, Git*  
[GitHub](#)

Sep 2024

- Built a Selenium web crawler to scrape real-time carrier data (Fido, Koodo, Rogers, etc.), enabling seamless plan comparisons.
- Developed a scalable Spring Boot and Java backend with secure REST APIs for efficient data processing.
- Created a responsive React and Tailwind CSS UI with trending plans, search history, and spell-check features.
- Designed dynamic price/feature filters to streamline user decision-making and boost engagement.

**Chat App** | *React, Typescript, Firebase, Zustand, Tailwind CSS, Git*  
[GitHub](#)

Sep 2024

- Built a real-time chat application using React, TypeScript, and Firebase, enhancing user interaction with an intuitive and responsive UI.
- Implemented real-time data synchronization and user activity status tracking (Online, Away, Offline), leading to improved usability and engagement.

**Bus Pass Scanner** | *React, NodeJs, Express, MongoDB, Material UI, Git*  
[GitHub](#)

Mar 2022

- Designed and developed a cross-platform bus pass authentication application as part of a 3-member team, enhancing security and efficiency in college transportation.
- Integrated JWT-based authentication, reducing unauthorized access attempts and strengthening the overall security of the system.

## EDUCATION

**University of Windsor**

Windsor, ON

*Master of Applied Computing (Grade: 88.44%)*

May 2024 – Present

**University of Mumbai**

Mumbai, India

*Bachelor of Engineering - Computer Engineering (CGPA: 8.58/10)*

Aug 2018 – May 2022