

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* May 2025 – Present
Office of Institutional Analysis, University of Windsor 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* Jul 2022 – Mar 2024
Vermont Information Processing 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* Sep 2024
[GitHub](#)
- 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* Sep 2024
[GitHub](#)
- 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* Mar 2022
[GitHub](#)
- 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