NITYA DESAI

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SUMMARY

A highly motivated, well-developed and self-disciplined computer science student pursuing Bachelor's degree. Seeking a challenging job at your company to leverage my technical skills, passion for coding, and desire to contribute to innovative projects that push the boundaries of technology.

SKILLS AND QUALIFICATIONS

Programming Languages:	Java, C, C++, Python, .NET Framework
Web Development:	HTML, CSS, JavaScript, React, Angular
Testing Tools:	Selenium, TestNG, JUnit
Cloud Computing:	Azure Cloud, AWS
Database Management:	Microsoft SQL, Oracle
Scripting Languages:	BASH, Shell (Linux/Unix)
Tools:	Git, Figma, JIRA, Jenkins, Confluence, Microsoft Suite
Soft Skills:	Team management, problem-solving, multitasking, time management, analytical skills, Communication and presentation skills

EDUCATION

Honours Bachelor of Science, Computer Science   Sept 2021 - May 2025
York University, Toronto

WORK EXPERIENCE

Quality Engineer - Coop   **Toronto, ON**
TD Bank   Jan 2024 - Present

- Worked on avery crucial application for **Business Banking** sector at TD.
- **Design, develop, and execute robust automated test scripts using Selenium and Java for testing Web Application**.
- Ensured comprehensive test coverage for critical system features by **documenting numerous test scenarios**.
- Craft detailed documentation for **automated testing**, including comprehensive **test plans**, **test procedures**, and **test cases**, ensuring clarity and repeatability in testing processes.
- Set up and maintained **CI pipelines** using **Jenkins**.
- Actively participated in **sprint meetings**, contributing to **Agile and SDLC methodologies**.
- Assist with **database management** and **maintenance** using **SQL**.
- Contributed significantly to a 25 member team, promoting effective communication and teamwork to achieve project goals.
- Gain valuable insights into the intricate interplay between large enterprises and banking institutions.

Records and Data Entry Assistant   **Toronto, ON**
York University   Jan 2023 - September 2023

- Assisted in managing projects, technical equipments and documentations.
- Enter, **update data in databases**, generate statements, reports and letters as requested.
- Conduct regular verification of data to ensure **consistency** and **adherence to guidelines**.
- **Managed** and **prioritized** all workload to meet deadlines
- **Code** and **update** data using established criteria on the system.
- **Identify errors** and **data discrepancies** in database and escalate to appropriate staff member for resolution.
- Assist with **purging and archiving files** in accordance with York University's common records schedule.
- Assist with **database clean up** and **maintenance**

PROJECTS

Warehouse Management (Android) — Github   Dec 2022
A comprehensive Warehouse Management System (WMS) in Java, optimizing inventory operations for a company selling and restocking products, featuring dynamic order fulfillment, restocking strategies, and diverse pricing models.

- The application was developed for **Android** using **IntelliJ** and **Java**.
- Developed a robust database model using **SQLLite** to manage product details, restocking schedules, and discount strategies.
- Utilized **JFrame** to meticulously design the user interface in the project.
- Developed thorough documentation elucidating the **Agile Methodologies** and utilizing **JIRA** for work tracking.
- Crafted compelling **Sequence, Activity**, and **Architecture diagrams** for the project using **Lucidchart** ensuring clear visualization of system interactions, use case workflows, and overall system structure.
- Designed and implemented a server-client architecture using the Java http Server framework for real-time order processing.
- Integrated various design patterns, including **Singleton, Proxy, Factory Method, State, Observer, Façade, and Adapter**.
- Oversaw the entire software development life cycle, from conceptualization to deployment, ensuring high-quality code and adherence to best practices.
- **Developed unit test**, **automated test cases**, **System Integrated test cases** and generated test reports for the application.
- Guided a team of four individuals, managing task assignments, aligning timelines, and fostering efficient communication to ensure the timely delivery of a top-tier product.
- Tools and Frameworks used: **Java, IntelliJ, SQLLite, JIRA, LucidChart**.

MasterMind (Android) — Github   Dec 2022

A simple guessing game in which user wins the game if the user guesses the same number as selected by computer

- The application was developed for **Android** using **Android Studio** and **Java**.
- Developed documentation on the definition of the software development Life Cycle.
- Developed the application based on **agile development principles**.
- Worked with different libraries like **Text View, Spinner, Random, View** and many more on android ecosystem.
- Participated in **planning, analyzing, designing, implementing, testing, troubleshooting, debugging, deploying and maintaining**.
- **Developed unit test**, **automated test cases**, **System Integrated test cases** and generated test reports for the application.
- Led a team of three members, overseeing task delegation, coordinating timelines, and facilitating effective communication to successfully deliver a high-quality product within the given timeframe.
- Every code was pushed and reviewed before merging it to the main branch.
- Tools and Frameworks used: **Java, Android Studio, Android SDK**.

Secure Student — Figma   August 2023

Led a team of four students to design an application that helps student to feel more secure while travelling, staying or doing any type of activity at campus.

- The Application was developed using designing tool **Figma**.
- Followed all the steps of **Design thinking Process (Double-Diamond)**.
- Designed the UI using **user-centred design and MVC design principles**.
- Indulged in forming **personas** by taking interviews and surveys.
- Participated in sketching **storyboards**, **Moodboards** and **wireframes**.
- Designed all the **conceptual model** as well as the **lo-fi and hi-fi prototypes**.
- Developed the **working prototype** and maintained in with the help of **Agile Principles**.

VOLUNTEERING EXPERINCE

Volunteer at Yogi Divine Society, Mississauga —   Oct 2021 - Present

- Assisting in organizing indoor and outdoor group activities throughout the year.
- Planning and conducting informal youth gathering, maintain and update database of community members.