Ali Saheb

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SUMMARY OF QUALIFICATIONS

- Passionate **Software Engineering** student with a strong academic background and passion for innovation to drive effective solutions in the dynamic world of software development.
- Experienced in programming languages such as **Java**, **Python**, **C/C++**, and **JavaScript** and familiar with software development tools and frameworks including **Git**, **Flask**, and **JUnit**.
- Strong knowledge in **Relational Database Management Systems** (RDBMS) such as **MySQL** and **Postgres**.
- Experienced in **collaborative team settings**, comfortable contributing to various software development projects alongside peers throughout my academic tenure.
- **Enthusiastic** about learning new technologies and keeping up-to-date with industry trends and actively engaged in self-directed learning and seeking opportunities for growth.

TECHNICAL SKILLS

Java, Python, SQL, C/C++, JavaScript, HTML/CSS, VHDL, Bash/Unix, Git, Flask, JUnit, JavaFX, Gradle, Maven, Linux, FPGA, Object-Oriented Programming, Data Structures, Algorithms, Software Development, Software Testing.

PROJECTS

YULookUp | *Java, MySQL, Gradle, JavaFX, GitHub*   Jan. 2023 – Apr. 2023
- Contributed to a **Java**-based desktop application, fulfilling client specifications encompassing both front-end and back-end functionalities.
- Utilized web scraping techniques to populate a **MySQL** database with course data extracted from the university website.
- Engineered a schedule capable of generating yearly schedules tailored to program, academic year, and student course selections.
- Acquired proficiency in collaborative **GitHub** workflows through active participation in project development and version control.

Social Network Application | *Python, Flask, SQLite3, HTML/CSS*   Dec. 2023
- Developed a full-stack web application in **Python** using **Flask** to connect to a database.
- Employed **SQLite3** to persistently store user posts, dynamically populating the website and updating in real-time following each submission.

YorkU Library Rental App | *Java, JavaFX, GitHub*   Mar. 2024
- Developed a **Java**-based desktop application tailored for efficient management of item rentals within the York University library ecosystem, applying various design patterns.
- Implemented a data storage solution utilizing CSV files to efficiently manage and organize user and item information.
- Designed a comprehensive and cohesive **GUI** catering to different types of users and their respective roles.

EDUCATION

Lassonde School of Engineering, York University   Sept. 2021 – Apr. 2025
Bachelor of Engineering in Software Engineering (B.Eng)   *Toronto, ON*

Relevant Courses:

Advanced Object Oriented Programming, Fundamentals of Data Structures, Database Management Systems

JOB EXPERIENCE

Program Mentor   May 2024 – Aug. 2024
k2i Academy   *Toronto, ON*
- Offered technical mentorship in **software development**; aiding mentees in grasping programming languages, **debugging**, and overcoming coding challenges.
- Provided guidance to individuals engaged in a research project, collaborating to establish feasible research objectives and develop thorough project timelines.
- Assisted in selecting suitable **data collection** methods and analyzing research data using diverse statistical and qualitative analysis techniques.