ADNAN FAHAD FAIZI [PERSONAL PORTOLIO]

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github | linkedin

EDUCATION

B.Sc. with Honors in Computer Science   **Sep 2020 - Dec 2025**

*York University (**GPA**: 3.6 / 4.0)*   *Toronto, ON*

EXPERIENCE

IBM   **May 2024 - Aug 2025**

Back-End Developer Intern   *Markham, ON*

- Led administration of **9 full-stack** internal tools supporting IBM's **WebSphere Application Server and Open-Liberty.**
- Implemented and debugged **100+** feature improvements and bug fixes, enhancing functionally across these tools that were responsible for publishing fixes to customers, defect management, infrastructure code and internal reports.
- Took the initiative to automate a manual process as a personal project which covered automatic file detection in a release cycle for files that required translation to different languages eliminating developer intervention in submitting, packaging, and updating translation files, streamlining the pipeline and achieving a **100%** efficiency increase; **MVP deployed in 3 months** with continuous improvements. • Owned a critical end-to-end migration of our defect management system, overseeing the transformation of how defects are tracked, referenced, and integrated across our tool suites. This process included a migration strategy, rewrites of the code base, integration with the new API, and short-term dual-format support.
- Completed 50+ infrastructure tasks, including project sizing, server migrations, modernization, and security patching.
- Proactively monitored logs, reproduced issues, and utilized modern debugging tools to swiftly resolve reported issues and wrote scripts to automate repetitive tasks for personal productivity.

JAVA | PYTHON | JAVASCRIPT | RUBY | DB2 | REACT | JSP | DOCKER | PERL | BASH

Ontario Government   **May 2022 - Dec 2022**

Automation Developer Intern   *Toronto, ON*

- Led the automation team in automating the regression tests reducing completion time from 2 days to few hours.
- Served as backup for the senior QA Analyst, ensuring timely and thorough software releases.
- Wrote SQL queries to obtain test data and regenerating customer issues.
- Maintained the product manual and trained new Co-op students.

JAVA | Selenium | MYSQL | BASH

NOTABLE PROJECTS

Custom C-like Language to Assembly Compiler [GitHub]   **May 2024 - Aug 2025**

Built a full compiler from scratch for a C-like language (B-minor), translating source code to runnable assembly. This included developing a scanner for tokenization, a custom parser to generate an Abstract Syntax Tree (AST), semantic analysis routines, intermediate representation (IR) generation, optimization passes, and a back-end code generator for assembly output.

CottageBNB Web Application [GitHub]   **May 2022 - Dec 2022**

Developed a full-stack web platform for browsing and managing user-listed cottages, featuring listing creation/removal, reviews, and secure authentication/authorization. This personal project served as a hands-on exploration of web development, covering technologies such as HTML, CSS, JavaScript, REST APIs, MongoDB, session management, deployment, and system design through architectural and class diagrams.

SentryBot [GitHub]   **May 2021 - Sept 2021**

Contributed to the Sentrybot research project as a robotics developer, focusing on autonomous point-to-point navigation using ROS and Python. My work involved integrating sensors and plugins to enable real-time data collection and live map generation. I also implemented speech recognition capabilities, which allowed the robot to interpret voice commands and navigate to specified destinations with approximately 90% accuracy.

SKILLS

Programming Languages   Java | Python | C | JavaScript

Technologies   Docker | AWS | Node.js | DB2 | GIT | ROS | Selenium | BASH | Ruby on Rails | MongoDB

AWARDS AND SCHOLARSHIPS

- **1x LURA and 1x NSERC USRA** As a first year student Awarded into the very competitive Lassonde Undergraduate Research award and for the prestigious NSERC Undergraduate Student Research Award to engage in funded research in natural sciences and engineering, gaining practical experience in an academic research environment.
- **Peter Cribb Award** Awarded to a 4th-year Lassonde Engineering student for outstanding academics, leadership, and resilience through adversity.
- **Dean's Honors Roll** For having a GPA of 3.5+