

# Muhammad Fahad Sohail

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## SUMMARY

4th-year Software Engineering student at York University specializing in Big Data Stream. Over 2 years of experience in software development. Skilled in Git, GitHub, API integration, and automation frameworks. Strong foundation in Data Structures, Java OOP, software engineering requirements, and software design.

## EDUCATION

**Sep 2021 – Apr 2026**    **York University, Lassonde School of Engineering**

Spec. Hons. Bachelor of Engineering, Software Engineering (Big Data Stream)

**Related Coursework:** OOP, Software Design, Database, ML, Data Mining, Embedded Systems.

## WORK EXPERIENCE

**Software Automation Developer – Ministry of Children, I&IT Cluster, ON**

**Jan 2024 – April 2025**

- Developed automated test scripts using Selenium with Java and a Python framework to streamline testing scenarios, ensuring robust and reliable software quality.
- Integrated automated tests into CI/CD pipelines with Azure DevOps, boosting deployment efficiency.
- Automated workflows with Selenium, Auto-It, Python and VBScript, enhancing testing coverage using internal systems knowledge.

**Software Developer Intern - Support Black Charities**

**Oct 2023 – Jan 2024**

- Contributed to organizing projects, developing campaign strategies, and promoting content, thereby enhancing fundraising efforts through software engineering principles.
- Gained practical insights into non-profit operations and applied software skills to real-world scenarios.

**Computing Student Hub - York University, ON**

**Apr 2022 – Aug 2024**

- Led a 16-member team in organizing events and workshops on topics such as Machine Learning, React.js, Leetcode, Discord-Bots, Figma and Git.
- Collaborated with industry professionals to enrich the club's offerings and engage a diverse membership.

**Coding Mentorship – York University, ON**

**Jan 2023 – Apr 2023**

- Contributed to a collaborative learning environment by volunteering to instruct fellow students in coding.
- Facilitated interactive coding sessions and discussions, offering practical expertise and assisting with debugging.

## PROJECTS

**Plan-Perfect (Calendar App):**

[Source Code](#)

- Developed a modern calendar app using Java, MySQL, and Git with unique features for a superior user experience.
- Implemented advanced features to differentiate Plan-Perfect from other calendar apps, focusing on usability and functionality.

**The Odin Project:**

- Proficient in full-stack development, including HTML, CSS, JavaScript, Ruby, Ruby on Rails, Node.js, and databases, with skills in front-end design, responsive interfaces, and server-side development.
- Experienced with Git, Bootstrap, jQuery, and PostgreSQL for version control and responsive design.

**Automated Plant Watering System:**

[Source Code](#)

- Developed an automated plant watering system that detects soil moisture and dispenses water.
- Built this project using Java, IntelliJ, MATLAB, and Arduino for seamless hardware integration.

## Skills

**Programming:** Java, C, C++, Python, HTML, CSS, JavaScript, Bash, MATLAB, R, SQL, Verilog, VBScript.

**Technical/Programmatic Skills:** Data Structures and Algorithms, Machine Learning and Pattern Recognition, Software Design, Digital Logic Design, Database System, Selenium WebDriver, Test Automation, CI/CD Integration, Regression Testing, User Acceptance Testing (UAT), Usability Testing.

**Development Tools:** Visual Studio Code, Linux/Unix, JUnit, Git, GitHub, Azure DevOps, AutoIt.