

# Muhammad Fahad Sohail

 GitHub /  LinkedIn /  Portfolio /  fahadsohail1501@gmail.com /  437 986 1501

## SUMMARY

3rd-year Software Engineering student at York University specializing in Big DataStream. Proficient in Java, C, Bash Script, HTML, CSS, JavaScript, and MySQL. Experienced in Git, GitHub, and API integration. Strong foundation in Data Structures and Java OOP. Eager to contribute technical expertise to innovative software projects.

## EDUCATION

**Sep 2021 – Apr 2025**      **York University, Lassonde School of Engineering**

Spec.Hons.Bachelor of Engineering, Software Engineering(Big DataStream)

- **Related Coursework:** OOP Java, Discrete Mathematics, Probability and statics, Embedded Systems.

## WORK EXPERIENCE

**Software Developer Intern - Support Black Charities**

Oct 2023 – Jan 2024

- Participated in an unpaid internship that provided in-depth exposure to fundraising and grant-related activities while applying software engineering principles.
- Played a pivotal role in project organization, correspondence, campaign strategies, and content promotion, leveraging software engineering concepts to enhance fundraising efforts.
- Gained a practical understanding of non-profit operations, offering a unique perspective beyond academic studies.

**Computing Students Hub – York University, ON**

Apr 2022 – Present

- Led a 16-member team, coordinating diverse events, and fostering professional development projects.
- Collaborated with industry professionals and academia to host innovative workshops and invite expert speakers on Machine Learning, React.js, Git, Bash, Leetcode, Discord-Bots, and Figma, enriching the club's offerings and attracting a diverse range of members.

**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](#)

- Designed and developed a clean and modern Calendar App known as Plan-Perfect, using JAVA, MySQL, and Git.
- Optimized the application for enhanced performance and exceptional user experience.
- Implemented unique and innovative features to differentiate Plan-Perfect from other calendar apps.
- Successfully deployed the app on GitHub pages using GitHub Actions for seamless accessibility.

**The Odin Project:**

- Proficient in full-stack web development: HTML, CSS, JavaScript, Ruby, Ruby on Rails, Node.js, and databases. Skilled in front-end design, interactive interfaces, and server-side application development.
- Experienced with Git, Bootstrap, jQuery, PostgreSQL for version control, responsive design, and project management.

**Automated Plant Watering System:**

[Source Code](#)

- Designed and implemented an automated plant watering system capable of detecting soil moisture levels and dispensing water accordingly.
- Developed this project using Java, IntelliJ, MATLAB, and **Arduino** for seamless hardware integration.

## Skills

**Programming:** Java, C, Bash Script, Python, HTML, CSS, JavaScript, MATLAB, R, SQL, Verilog

**Technical/Programmatic Skills:** Data Structures and Algorithms, Machine Learning and Pattern Recognition, Software Design, Digital Logic Design, Database System

**Development Tools:** Visual Studio Code, Linux/Unix, JUnit, Git, GitHub, Excel, MS Word

**Languages:** English, Urdu, Punjabi, Hindi