

# ALI BHANGU

## Student Developer

@ abhan059@uottawa.ca    647-562-1376    Ottawa | Toronto  
in alirazabhangu    ABhangu59    alibhangu.com

## TECH STACK

Java Python SQL  
HTML CSS React  
Prolog GoLang  
C# SQLite WPF  
Avalonia UI XAML  
VSCode Git  
Azure DevOps  
Android Studio Zoho  
Microsoft Office Suite

## COURSEWORK & SKILLS

Data Structures & Algorithms  
Databases I  
Design/Analysis of Algorithms  
Requirement Analysis  
Statistics  
Data Comms. & Networking  
Fast Learner  
Adaptability  
Communicative  
Proactive  
Time Management  
Organized Leader

## LANGUAGES

Native: English

Fluent Speech: Urdu | Hindi  
| Punjabi

## ABOUT ME

Third-year Computer Science student with industry experience, familiarized with analytical problem solving and numerous programming languages, seeking an engaging co-op opportunity for September 2024.

## EXPERIENCE

### Software Developer | MC Countermeasures Inc.

- Jan 2024 – May 2024    Ottawa, Ontario (Co-Op)
- Developed a high-performance automated testing tool in **C#**, **SQLite** and **WPF**, Achieving a **90% reduction in testing time** through efficient algorithms and optimized workflows, making it the cornerstone of the testing suite.
  - Refactored the **materials database** front-end, streamlining the **user interface** with **XAML** and **backend communication**, and implemented a feature for automatically generating PDF reports, enhancing the documentation process and user engagement.
  - Adapted to a complex development environment, quickly becoming proficient in **advanced software principles** and contributing to significant time savings and efficiency improvements in the existing software.

### Junior I/IT Associate | Government of Ontario

- May 2023 – Aug 2023    Toronto, Ontario (Co-Op)
- Coordinated the project team and their tasks, ensuring a smooth execution during the transition from a legacy database to a cloud solution.
  - Engaged with users to conduct user testing with a group of 25, analyzing results leading to 10+ improvements that enriched the project with highly user-centric features.
  - Utilized **SQL** and **Python** to extract and validate data and ensure secure data transfers during the project's data migration.

## EDUCATION

### Honours Computer Science | University of Ottawa

- Sep. 2021 – Dec. 2025    Ottawa, Ontario
- GPA: 3.5/4.0
  - President of uOttawa's Computer Science Student Association
  - Member of the Faculty of Engineering Faculty Council and IEEE uOttawa.
  - Dean Honour List - 2021/2022 Academic Year

## PROJECTS

### Mealer - Android Application |    |

- Oct. 2022 – Dec. 2023
- Implemented an android application intended to be utilized by local cooks to sell meals. Moderated by an admin, and used by customers to request, purchase, and rate available meals.
  - Developed using Java and Android Studio and SQLite Database, allowing for embedded database reading, writing, and user authentication.