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`

`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** 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 abd 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.