# Gurkirat Bindra

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## Education

**York University**                                                                                                 Sep. 2021 – April 2025
*Bachelors of Engineering., Spec. Hons. - Software Engineering*                                                                    *Toronto, ON*

## Relevant Coursework

- Data Structures
- Computer Organization
- Advanced OOP
- Embedded Systems
- Software Development
- Operating Systems
- Systems Programming
- Computer Architecture

## Experience

**TNR Developers (Freelance)**                                                                        February 2022 – Present
*Full Stack Developer Intern*                                                                                              *Brampton, ON*
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.
- Develops apps using Java alongside my partners who worked with Swift and WebsApps

**Visions Electronics**                                                                               September 2017 – July 2021
*Customer Service Representative — Repair Agent*                                                                          *North York, ON*
- Demonstrated exceptional problem-solving skills, communication, and service orientation to ensure customer satisfaction and positive relationships with end-users.
- Utilized various software tools, including SCCM and ticketing systems, to manage tasks and respond to inquiries, while maintaining accurate records.
- Maintained financial accounts by processing customer adjustments while prioritizing efficiency and professionalism.

## Projects

**Flexxx - Java Desktop App** | *Java, SQL, Eclipse, MySQL*                                                              April 2023
- Developed a fitness planner app with advanced algorithms, utilizing JavaFX and databases with SQL, that enables users to create personalized workout plans.
- Implemented progress tracking and performance analytics features to help users easily achieve their fitness goals, with a user-friendly GUI.
- Conducted extensive user testing and feedback analysis, resulting in improvements to the app's functionality and ensuring a seamless user experience for the users.

**MessageMe - iOS App** | *Swift, Google Firebase Firestore, Xcode*                                                  December 2022
- Produced a messaging application containing full functionality of sending and receiving messages.
- Implemented Firebase Firestore database to take advantage of a client first SDK and real-time updates allowing to receive and send messages with ease.
- Utilized fundamental UI/UX fundamentals to create an aesthetically appealing design.
- Executed prominent message application principals to include: profile picture and timestamps.

**Automatic Plant Watering System** | *Java, Arduino, IntelliJ*                                                      October 2022
- Made an Automated Plant Watering System, which has comments like a moisture sensor, water pump, and a micro-controller.
- This program was written in Java using the IntelliJ IDE, and components like the Arduino Groove Board
- This programs constantly checks the moisture of the plant and decides if to water it or not based on the given conditions.

## Technical Skills

**Languages**: Python, Java, C, HTML/CSS, JavaScript, SQL, PowerShell, PHP, Swift
**Developer Tools**: VS Code, Eclipse, Google Cloud Platform, Android Studio, Xcode
**Technologies/Frameworks**: Linux, Jenkins, GitHub, JUnit, WordPress, Dart, Flutter

## Leadership / Extracurricular

**Lead Drummer at Sikh Parade**                                                                     September 2018 – April 2019
*Drum Instructor*                                                                                                  *Ontario Khalsa Darbar*
- Utilized intellectual communicational skills to form synchronization in the drum circle.
- Administered the final performance and guided the parade through an enclosed area in Downtown Toronto.