



Ryaan Farrukh

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EDUCATION

Seneca Polytechnic College
Computer Programming & Analysis

Jan 2024 - May 2026
Toronto, Ontario

SKILLS

Languages C/C++, Python, Java, JavaScript, HTML/CSS, SQL, Bash
Technologies Git, Jira, Docker, AWS, MongoDB, Postgres, VMWare
Frameworks React.js, Express, Node.js, Tailwind, Flask

PROJECTS

NBA Stats Tracker | Python, React, Node.js, JavaScript, SQL

Mar 2024- Present 

- Developed a Python script using Flask, Selenium and BS4 to automatically scrape NBA game data, extracting and storing statistics into a structured SQL database.
- Created a modular React frontend to display real-time updates and interactive visualizations, utilizing Node.js for API management and data handling.
- Implemented an efficient data pipeline to process, clean and load scraped data into the database, reducing data retrieval time by **50%**

C++ Compiler | C++

Aug 2024 

- Developed a compiler to tokenize, parse, check syntax and semantics and translate code into Assembly language.
- Used data structures such as trees, vectors, maps and structs to maintain efficient handling and processing of code.
- Implemented key compiler components, such as lexical analysis, parsing and code generation.

Hand Gesture Recognition System | Python, OpenCV, MediaPipe

Sept 2024 

- Designed a hand gesture recognition system using Python with OpenCV and MediaPipe to control computer actions via webcam.
- Implemented hand detection and gesture tracking algorithms to identify open-palm, first, and thumbs-up like gestures.
- Mapped gestures to system actions, allowing hands-free control of media playback, mouse movements, and other actions.
- Optimized for best performance in real-time, ensuring smooth and responsive gesture recognition.

WORK EXPERIENCE

Electrical Apprentice

Rapid Electric

July 2022 - Dec 2023
Toronto, Ontario

- Assisted in the installation, repair and maintenance of electrical systems, complying with electrical safety codes.
- Conducted troubleshooting of circuits, wiring, and electrical layouts, reducing downtime by **40%** and saving **20%** more material.
- Collaborated with team members to complete complex installations and house wiring on time
- Supported senior electricians with wiring, conduit installation and blueprint interpretation, increasing project efficiency.

Restaurant Assistant Manager

Viva Shawarma

Sep 2020 - Jun 2022
Toronto, Ontario

- Supervised daily operations, including inventory management and quality control, ensuring high service standards.
- Handled customer feedback and resolved conflicts, contributing to a **4.6/5** average rating on review platforms.
- Managed the store independently occasionally, showcasing leadership skills and adaptability