

Farhan Rahman Khan

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🎓 Education

Bachelor of Science – Major in Computer Science

Memorial University of Newfoundland

2021 – Present

- > Recipient of \$12,000 International Undergraduate Student Scholarship

⚙️ Skills

Programming Languages Python, Java, JavaScript, C, C++, C#, R, HTML, CSS, SQLite

Development Tools pandas, TensorFlow, scikit-learn, vtk, openCV, unittest, Git, GitHub, GitLab, Agile, Unity, Autodesk Maya, Blender

IDEs Visual Studio Code, BlueJ, PyCharm, Eclipse, IntelliJ IDEA, Jupyter Notebook

Professional Competencies Teamwork, Leadership, Adaptability, Creativity, Attention to Detail

🔗 Projects

GestoVision

Academic Group Project

Fall 2023

- > A real-time Python application for ASL hand gesture recognition, employing scikit-learn for model training with a Kaggle dataset.
- > Utilized MediaPipe for accurate landmark mapping with live hand detection.
- > Applied pre-processing and image manipulation to the captured livefeed through OpenCV.

BOB

Personal Group Project

Summer 2023

- > Bob is a ChatBot built in Python with Tkinter for a sleek GUI and NLTK for advanced natural language processing.
- > Integrates real-time data for up-to-date cybersecurity information and awareness.

Can't Stop!

Academic Group Project

Winter 2023

- > Developed an object-oriented game in Java iteratively, maintaining the use of use case scenarios and sequence diagrams.
- > Implemented OOP principles (polymorphism, encapsulation, abstraction), which played a significant role in the project's success.
- > Collaborated on a cohesive and low coupled code, and designed AI players with levels of difficulties.
- > Authored a comprehensive document detailing prospective networking components for the project.

Portfolio Website

Personal Project

Summer 2023

- > Designed and developed a portfolio website detailing my skills, projects and accomplishments using HTML, CSS and JavaScript.

💼 Experience

Software Engineer Intern

Xplorobot

Jan 2024 – Present

- > Designed and implemented algorithms to enhance the quality of 3-dimensional models generation from photographic images.
- > Conducted research, development, and testing of state-of-the-art innovative algorithms.
- > Collaborated to enhance the automation of workflow processes and development operations tools, minimizing bottlenecks efficiently.

Tutor

Memorial University of Newfoundland

May 2023 – Present

- > Provided tutoring services to students for academic courses and assisted in exam preparation.
- > Topics ranged from programming languages to Software Development, Machine Learning, and Data Mining and Manipulation.

Bartender and Server

Gingergrass and The Rose & Thistle

Apr 2023 – Present

- > As a bartender, prepared and served drinks for 2 bars simultaneously, along with food service, contributing to 5% increase in sales.
- > As a server, managed food service for 14 tables up to 46 customers, emphasizing customer satisfaction and food safety.
- > Tracked and validated daily sales, profit, expenditure, and inventory data, integrated smart solutions, reducing labour cost by 30%.

🏠 Roles

Vice President

Curtis House Council

Sept 2022 – Apr 2023

- > Coordinated over 20 events, fostered community growth, facilitated weekly meetings, resolved conflicts, mentored peers, and provided counseling in university dormitory.