Govind Nair

📫 g4nair@uwaterloo.ca ☎ (647) 676-2835 🖥 Personal Portfolio ⓞ GitHub 🔗 LinkedIn

✋ Skills

Languages: Python, C++, Java, C, JavaScript, TypeScript, HTML/CSS
Technologies/Frameworks: Angular.js, React.js, Node.js, Express.js, GraphQL, Bootstrap, Git, Tensorflow, Keras, OpenCV, Numpy, Pandas

💼 Experience

SS&C Technologies Holdings   **Toronto, ON**
Full-Stack Developer   Sep 2021–Dec 2021
- Part of an Angular development team for an Automated Distribution adjustment Web-Application allowing employees to easily adjust trade prices
- Utilized Angular to build a dynamically generating table component when data is provided
- Sent GraphQL mutations using Apollo-Angular to a Spring microservice and displayed the correctly formatted data using the table component.
- Implemented Schemas and Resolvers for a GraphQL middle tier to interface multiple microservices with the Angular front-end
- Part of a Java development team for a Trading calculator API allowing clients to place hypothetical trades
- Added and refactored unit tests using JUnit and Mockito to increase total code coverage to greater than 80%
- Configured the auto generation of the Swagger Document using the Docket class and Spring

Trubotics   **Markham, ON**
Team Captain   Sep 2019–Jun 2020
- Oversaw a team of **5** students and assigned appropriate positions according to each one's skills
- Collaborated with peers to identify flaws in multiple designs and to improve prototypes

💼 Projects

Recipe.io   Jan 2021
- Coded a full-stack web application that finds recipes based on ingredients a user inputted using the Spoonacular **API**
- Worked primarily on the back-end using **Node.js** and **Express.js**
- Project was created for Hack The North 2020++ in a team of 4.

Languages/Technologies: React.js, Node.js, Express.js, Bootstrap

Flappy Bird AI   Jul 2020
- Used the NEAT Algorithm (NeuroEvolution of Augmenting Topologies) to train an agent to play a clone of the game Flappy Bird.
- Programmed both the game environment and AI using **Python**.

Languages/Technologies: Python, Pygame, NEAT

Number Predictor   Jun 2020
- Using Tensorflow and the MNIST digit data, developed a program that classifies a users handwritten digit using a Convolutional Neural Network.

Languages/Technologies: Python, Tensorflow, Tkinter, OpenCV

📚 Education

University of Waterloo   **Waterloo, ON**
Candidate for Bachelor of Computer Science (BCS) 3.8 GPA, 87.8% average   2020–2025