Vigneswaran Gajapriyan

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EDUCATION & AWARDS

JohnMcCrae Secondary School – Grade 12   **Sept 2018—Present**

- ➢ **95% Average**
- ➢ **2x Silver Award**
- ➢ **Co-President of Computer Science Club**
- ➢ **Executive Member of STEM Club and Hack Club**
- ➢ **DELF B1 French Certificate**

INTERPERSONAL SKILLS

English, French, Tamil — Work Ethic — Teamwork — Time Management — Critical Thinking — Problem Solving

TECHNICAL SKILLS

Python — JavaScript — Java — HTML — CSS — Data Structures & Algorithms — Web Design — Pandas — Tensorflow

WORK EXPERIENCE

HighSchool Math Tutor – *Self-Employed*   **Jan 2020—Present**

- • Increase and enhance mastery of mathematical concepts
- • Assisting students with homework, projects, test preparation, papers, research and other academic tasks
- • Effectively communicate with students through various learning strategies and methods

McDonald's – *Crew Member*   **Nov 2021—Present**

- • Handle multi-transactions within a fast paced environment while maintaining customer satisfaction
- • Prepare and Cook meals while upholding quality, service, cleanliness and operational excellence
- • Excellent use of interpersonal skills to aid customer's complaints and dissatisfaction

PROJECTS

Puzzle Solvers (Sudoku Solver, Maze Solver)   **Nov 2021—Present**
• Maze Solver: Randomly generates a maze, and finds a path from a start point to an end point using Breadth's First Search algorithm. The program then graphically illustrates the path and thought process
• Sudoku Solver: Finds the solution to any given Sudoku Board using backtracking and recursion

COVID-19 Detection Using CT Scans with Machine Learning   **Nov 2021—Present**
• Created a machine learning model using Convolutional Neural Networks that intakes CT Scans of Lungs and can detect any unorthodox patterns to conclude if a patient has COVID with model accuracy of 80%

Cryptocurrency Price Predictor using Machine Learning   **Nov 2021—Present**
• Using Long-Short Term Memory Neural Networks to create a model predict the next day's overall trend using previous statistical data to train the model's accuracy

Other Projects
• **Voice Prescription Maker**: It allows users to enter their prescriptions using audio input, and allows the modification and verification of detected information. It then outputs the user input onto a printable prescription pdf.   **Sept 2021—Present**
• **Space Invaders**: Created a fully functioning atari style game with Python by using Object Oriented Programming and Method Overriding
• **Cards Game**: Created a single player cards game that interacts with other computer players for as long as a person wants