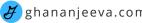
Ghanan Jeevaretnam

Systems Design Engineering









SKILLS

Languages: Java, JavaScript, SQL, Python, C++, Arduino HTML, CSS

Tools: Visual Studio, PyCharm, NetBeans, Atom, Eclipse, Visual Studio Code

AWARDS

FRC 2018 Worlds Championship Semi-Finalists

> FRC 2018 Ontario Provincial Semi-Finalists

FRC 2019 STEMley Cup International Champions

EDUCATION

University of Waterloo B.A.Sc. Systems Design **Engineering '24**

> H.K. Kesavan Legacy Scholarship

> > UW President's Scholarship

INTERESTS

Tennis, Reading, Programming, Sketching, Soccer, SolidWorks

PROJECTS

EMPLOYEE MANAGEMENT SYSTEM | JAVA

2019

github.com/ghanan-jeeva/Employee-Management-System

- Programmed an **object-oriented** database using a NetBeans-GUI to add, edit, and remove user-inputted employee info in a hash table
- Persisted user data by caching user properties to a local file
- Conducted unit and function testing to ensure quality of EMS

PERSONAL PORTFOLIO WEBSITE | HTML, CSS

2019

github.com/ghanan-jeeva/ghananjeeva.github.io

- Developed website **from scratch** using HTML and CSS to highlight past projects and experiences using Visual Studio Code
- Implemented **responsive design** using Bootstrap

NEED 5 SPEED | PYTHON

2017

https://github.com/ghanan-jeeva/Need5Speed

 Created a 2 player racing game using pygame with a simplistic user interface and object motion functionality

EXPERIENCE

FIRST ROBOTICS STRATEGY & SCOUTING TEAM EXECUTIVE 2019

- Designed structured instructional guides for students on how to collect data resulting in an increase in the accuracy and precision of data by 40%
- Managed and led 45+ students at FRC competitions to collect large amounts of data both accurately and efficiently leading to multiple finals & semi-finals appearances

DATA ENTRY CLERK | CEYCAN LOGISTICS

2019

- Booked appointments for customers requesting delivery of cargo based on the availability of trucks and drivers while allocating extra time for potential setbacks
- Recorded and organized trucking information to a database effectively, resulting in an average increase in shipments by 15%