

Ghanan Jeevaretnam

Systems Design Engineering

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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%**