Yanushka Gnanamuttu

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# Objective

* 3+ years of software development experience for a wide range of applications using many different technologies
* Proven ability to leverage object oriented programing and system design to improve the performance of many systems

# Experience

## Software Developer | Sensors & SOftware | May 2019 - Present

* Designed and maintained several C++ and Python based APIs for various embedded and desktop applications. Some APIs include a custom REST APIs, networking library, and a common sensor library
* Improved the performance of the radar collection API by 150%, which allowed customers to collect radar data at much faster rate
* Successfully built virtual environments using Docker and GitHub workflows
* Mentored several new developers within the Engineering team
* Provided insight as a subject matter expert for data communication and backend technologies for next generation software

## Software Anaylst Intern | Thales | May 2018 – August 2018

* Assisted with the implementation of autonomous train positioning solutions and vehicle detection
* Improved the performance of the image processing code through multithreading and targeting the GPU
* Enhanced the image quality of the camera, and implemented real-time adaptive lighting

## IT Developer Intern | TD BAnk | May 2017 – August 2017

* Created and deployed automated testing scripts using Selenium and JUnit to notify a team of developers when errors exist within TeamSite
* Applied Agile Methodologies

# Skills

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Languages | | Platforms/Tools | | |  |
| * C++ * Python | * JavaScript * Bash / Shell | * GitHub * Vue.js | * pytest * JSON-RPC | * Docker * Linux | * Boost * ROS |

# Education

## Bachalor Of Applied Science | May 2019 | University of Ottawa

* Major: Computer Engineering