Yanushka Gnanamuttu

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# Experience

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

* Lead development on various full-stack products, tools and libraries for ground penetrating radar (GPR) software.
* Created multiple CI workflows using Docker and GitHub; resulting in a 30% faster turn-around time to find bugs.
* Worked alongside stakeholders and project managers to present project status and inform decision making.
* Improved internal processes for stakeholders to support product delivery by introducing proof of concepts and technical debt projects as a part of project proposals.
* Collaborated with a team of developers to build a distributable SDK to control GPR products; this product was adapted by both customers and sister companies.
* Mentored several new developers and presented new and current software technologies to both technical and non-technical team members.

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

* Worked alongside the research team to add features to the positioning and vehicle software for an autonomous train system.
* Investigated and performed tests on various open source vision libraries to use in the next release of the autonomous software.
* Collaborated with a third party vendor to configure sensors used in demonstration of the train system.
* Enhanced the image quality on the camera, and implemented real-time adaptive lighting to improve detection in dimly lit rooms.

## 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 a cloud environment, to reduce downtime.
* Applied Agile Methodologies.

# Education

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

* Major: Computer Engineering

# Skills

|  |  |  |
| --- | --- | --- |
| Languages | | Platforms/Tools |
| * C++ * C * Python | * JavaScript * TypeScript * Bash | * Git * GitHub * Linux & Windows | * VSCode * Visual Studio * CMake | * ROS * Boost * Flutter | * Docker * React * pytest |

# Additional Experience

* **GLP Representative (2021 – Present):** Participate in annual meetings with Kingsway’s Ontario Member of Parliament.
* **Founder of uOttawa’s Robotic Team (2016 – 2019):** Create the first university’s robotics team. The team competed in autonomous boat challenge placing 6th out of 12 teams in our first year.