DHRITI ARAVIND

Computer Systems Engineering, Carleton University

@ dhritiaravind@gmail.com   📞 343-262-0879   in www.linkedin.com/in/dhriti-dee-aravind/   ○ github.com/deestroy/

EXPERIENCE

ASIC Verification Engineer
Ciena

📅 May 2020 – present   📍 Ottawa, ON

- Performed ASIC design verification of the DSP sub-systems using **System Verilog**.
- Analyzed output signals and wrote **semi-automatic scripts** to accelerate repetitive testing processes.

Over the Air Testing Engineering Highschool Co-op
Ericsson Canada

📅 July 2018 – Aug 2018   📍 Ottawa, ON

- Collaborated with the Over the Air Testing team to **collect signal data** from the node using QXDM based on the latest **5G** code release
- Designed **semi-automatic scripts** to perform post-analysis of collected data and used graphical models to visualize inputs.

PROJECTS

Hospital Predictor
hospitalpredictor.ca

- Developed a platform to crowd source data indicating how many beds are available in any given hospital. The site then uses an algorithm to predict its future occupancy rate.
- Helps monitor the state of local hospitals and ensure that everybody gets the care they need during this pandemic.
- Designed a website using **Adobe XD** and coded using **HTML, CSS, NodeJS, flask, JavaScript, BootStrap 4**.

FaceTracking Security System
github.com/deestroy/FaceDetectionAlert

- Using a Raspberry Pi (**Python**), a camera identifies if there is a face (**OpenCV**) and captures a video of the potential threat.
- The camera moves, tracks the face using **PID loops** and indicates the level threat on an LCD Display.
- This project follows the **Agile Development Life Cycle** model

Calorie Count
github.com/deestroy/AppDev

- Created a cross-platform mobile application built with **Dart, TensorFlow and Python** to accurately identify, measure the portion size, and calculate the calories from a photo.
- Log the calories consumed per day using **Firebase**. Helps users achieve their health goal faster and more accurately.

SKILLS

Java   Python   C   C++
System Verilog

Javascript   AdobeXD   HTML   CSS
NodeJS

Git   Bash

CERTIFICATIONS

Intro To Machine Learning Nanodegree Program
Udacity

📅 Jan 2020 - present

EDUCATION

Computer Systems Engineering, Buisness Minor
Carleton University

📅 Sept 2019 - April 2024

- Cumulative GPA: **10.8/12.0**

HACKATHONS

- Feb 2020 - MakeUofT (UiPath Challenge Winner)
- Jan 2020 - QHacks
- Jan 2020 - cuHacking
- Oct 2019 - Junior Design C-Eng-C Competition
- Jan 2019 - cuHacking