

# SAI PRASAD DAYABARAN

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## Summary

I'm an energetic and enthusiastic Firmware Engineer with keen attention to detail and perfection.

## Experience



### Embedded Firmware Engineer

Porticos

Apr 2023 - Present (3 months)



### Embedded Cybersecurity Engineer

Toyota North America

Jul 2021 - Apr 2023 (1 year 10 months)

Focused on Cellular vehicle-to-vehicle communication systems.

Worked on keyless entry prototypes and fleet management systems.

Helped with in cabin life presence detection systems.

Helped build multimedia headunit testing framework for ssl backends(OCSP).



### Embedded Engineer

Apex IT System, Inc

Aug 2020 - Apr 2021 (9 months)



### Robotics Teaching Assistant

University of North Carolina at Charlotte

Apr 2019 - Jun 2019 (3 months)

-Co-created teaching curriculum objectives for elementary kids during summer of 2019.

-Taught about the basics of robotics using Lego Mindstorm kits.

-Helped with creating awareness about autonomous driving vehicles.



### Firmware Engineer

BIO-TECH SERVICES LLC

Apr 2017 - Aug 2017 (5 months)

- Worked with the design and implementation of analog-to-digital converters for ECG(electrocardiogram) machines.

- Helped in digitizing analog ECG machines for easy interpretation.

- Integrated wireless sensors for uploading patient data to cloud for real-time monitoring by physicians.

## Education



### **University of North Carolina at Charlotte**

Master of Science - MS, Electrical and Computer Engineering

2018 - 2020



### **Anna University**

Bachelor of Engineering (B.E.), Electrical and Electronics Engineering

2014 - 2018



### **Sri Sankara Vidhyashramam Matriculation Higher Secondary School**

Computer Science

2005 - 2014

## **Licenses & Certifications**



**C Programming for Embedded Applications** - LinkedIn



**Guy Kawasaki on Turning Life Wisdom into Business Success** - LinkedIn

## **Skills**

Device Drivers • Jira • Cybersecurity • Embedded Linux • Git • Social Media • Public Relations •  
Negotiation • Microsoft Office • Microsoft PowerPoint