Pragadeesh Suresh Babu

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Summary

Looking for an **Internship** or Co-op position for **July-Dec 2018**.

Education

Northeastern University, Boston, Massachusetts

Candidate for Master of Science in **Electrical and Computer Engineering** *Expected December 2019*

Courses: Linear System Analysis, Analog Integrated Circuit Design, Classical Control Systems, VLSI

National Institute of Technology, Tiruchirappalli, Tamil Nadu

Bachelor of Technology in **Instrumentation and Control Engineering** *Graduated March 2017*

GPA-7.98/10

Courses: Microprocessors and Microcontrollers, Industrial Process Control, Computer Networks, Neural Networks and Fuzzy Logic Control, Analog and Digital Electronics, Signals and Systems, Linear Integrated Circuits, Logic and Distributed Control Systems, Smart and Wireless Instrumentation.

Technical Skills

Computer Languages: C/C++, Arduino IDE, Python.

Computer Tools: Matlab, Simulink, Labview, TINA, Cadence, Microsoft Suite.

Operating System: Windows, Linux.

Work/Project Experience

Northeastern University, Boston, Massachusetts

Circuit Analysis of 741 Opamp *October 2017- December 2017*

- Used Cadence tool to perform theoretical AC and DC analysis and determined quiescent currents and voltages using small signal analysis.
- Estimated input offset voltage and current and simulated the results using HPSICE.

National Institute of Technology, Tiruchirappalli, Tamil Nadu

Bluetooth Based Home Automation *January 2017- March 2017*

- Developed a home automation system that helps immobile people to control household appliances.

Indian Institute of Science, Bengaluru, Karnataka

Summer Research Intern *May 2016 - July 2016*

- Lead a team of 5 to use radial basis and particle swarm optimization algorithms.
- Developed an accurate quadcopter model for optimum flight path.

National Institute of Technology, Tiruchirappalli, Tamil Nadu

Car Safety System *November 2015 – March 2016*

- Built a drowsiness detection using average blink frequency of a human and the average duration of blink.
- Used machine learning algorithm (multinomial ridge regression) to detect facial features.

National Institute of Technology, Tiruchirappalli, Tamil Nadu

Medassist March 2016 – August 2016

- Lead a team of 4 to build a device to remind elderly persons to take the correct medicine at the right time.

Indian Institute of Technology, Chennai, Tamil Nadu

Research Intern November 2015 - December 2015

- Built a prototype to compare reflectivity of different materials at various angles.

Extracurriculars

- Finance Committee member and Senator in the Graduate Student Government at Northeastern University, Boston.
- Marketting Committee head of the Entreprenuership Club at National Institute of Technology, India
- Student Volunteer at the National Service Scheme of India.