Parvathi Pai

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Summary

- Masters graduate and recent Microsoft LEAP intern with work experience in software development and hardware design lifecycles, looking for opportunities in the greater Seattle area.
- Experience working with diverse teams in Canada and the US on a variety of hardware and software requirements.
- Udacity and Udemy certified front-end and full stack web developer.

Experience

Microsoft, Bellevue | LEAP Intern | 2018

- Worked on extending Dynamics 365 solutions in the Business Applications Group.
- Technologies used – Dynamics 365, SQL, C#, JavaScript, HTML, CSS, SOAP APIs, React.

Research Centre for Integrated Microsystems, Windsor, Canada | 2014-2017

- Worked on intelligent transport systems, and in collaborations with Landau Gage Inc. on low-power/power-harvesting technologies, with significant results and publications (**details**).
- Responsible for digital/analog design and verification using Cadence and Verilog (DFT) test bench modules, and chip fabrication using Analog and MEMS designs.
- Technologies used – C++, IntelliSuite, Cadence, ADS, MATLAB, Verilog.

Publications

- Energy Harvesting for IoT Sensors Utilizing MEMS Technology, IEEE CCECE '16, Vancouver [**Link**]
- A MEMS based Rectifier for Energy Harvesting, IEEE ECCTD Catania '17, Italy [**Link**]

Education

Master of Applied Science | 2015-2017 | University of Windsor

- Major: Electrical Engineering (Honors) [**Thesis**]
- Graduate Student Scholarship

Master of Engineering | 2014-2015 | University of Windsor

- Major: Electrical and Computer Engineering (Honors)

Current Skills and Knowledge

Software

- *Languages and frameworks (Server and Web)*: C#, SQL, ASP.NET Core, C++, HTML, CSS, JavaScript, Bootstrap, React, React, Nodejs.
- *Cloud*: Azure services

Hardware

- *Tools (analog/digital circuit design)*: Cadence, ADS, Verilog, MATLAB, LabView, IntelliSuite, most test/measuring instruments etc.
- *Microcontrollers, FPGAs and Boards:* Intel, Arduino, Raspberry Pi, Xilinx, Altera etc.
- *Interfaces:* PCI, SATA, IDE, SPI, USB, UART, I2C, PCM, CAN, RS232, RS485, RS422 etc.

Networks

- Cisco Certified CCNA, 802.11, ZigBee, WiMAX, Bluetooth, HTTP, DNS, IP, TCP, SIP, OSPF, BGP, EIGRP, etc.

Misc. **Projects** | **Internships and Volunteering** | **Certifications**