

# Mihir Shete

smihir@cs.wisc.edu | (608) 960.5708

Website: smihir  
GMail: mihirsht@gmail.com  
LinkedIn: mihirshete  
Github: smihir  
Facebook: mihirshete

## SKILLS

### PROGRAMMING

C • Python • Shell  
Matlab • Lua • R  
Perl • C++

### OTHERS

802.11 • Networking •  
Linux Device Drivers •  
HTML • CSS •  $\text{\LaTeX}$

## COURSEWORK

### GRADUATE

- Operating Systems
- Computer Networks
- Introduction to Algorithms

### UNDERGRADUATE

- Embedded System Design
- Medical Instrumentation
- Analog Electronics  
(Professional Assistant)
- Probability and Statistics

### QUALCOMM

- ARMv8 Architecture  
and Design

## INTERNSHIPS

#### HTCondor

(September 2015 - Till Date)

#### Cypress Semiconductor

(July 2009 - December 2009)

#### Mahindra & Mahindra

(June 2008 - July 2008)

## PROJECT LINKS

### QUALCOMM

(Opensource contributions only)

- Prima Wlan Driver
- Qualcomm MSM Kernel

### BITS-PILANI, GOA

- Design and Development of  
Blood Pressure Monitor
- Safety Critical Systems and Design

## RECOGNITION

- 23<sup>rd</sup> in the Merit List prepared by  
Maharashtra State Board for  
Secondary and Higher Secondary  
Education
- 921<sup>st</sup> in All India Engineering  
Entrance Examinations

## EDUCATION

### UNIVERSITY OF WISCONSIN-MADISON | M.S COMPUTER SCIENCE

August 2015 - December 2016 (Expected) | Madison WI, U.S.

- Focusing on research and development in Computer Networks and Systems.
- Developing **Smart Shoes** for use in healthcare at **Internet of Things Lab**

### BITS - PILANI, GOA CAMPUS | B.E ELECTRONICS AND INSTRUMENTATION

August 2006 - May 2010 | Goa, India

Cum. GPA 8.00/10

- Concentrated on projects and internships in the areas of Embedded systems' design and development.
- Got involved in the PSoC club which was newly founded and contributed to designing training material which is used by Cypress Semiconductor as the official Lab Book for the University Alliance Program.

## EXPERIENCE

### QUALCOMM | SENIOR ENGINEER

July 2012 - July 2015 | Hyderabad, India

- As a member of Wireless Connectivity group was involved in design and development of firmware and Linux drivers for Qualcomm's wireless chipsets.
- Primarily contributed to Qualcomm's opensource **Prima** driver and was the maintainer of data path.
- Collaborated with the Linux community to engineer the regulatory framework in Prima driver.
- Developed good understanding of new and upcoming wireless protocols and standards like WFA's - WPS, P2P, WMM and IEEE 802.11ac/p

### TEAMF1 NETWORKS | SOFTWARE ENGINEER

May 2010 - June 2012 | Hyderabad, India

- Design and Development of Linux Device drivers for 802.11 Wireless SoCs in Enterprise Routers and Access Points.
- Developed an excellent understanding of 802.11/a/b/g/n/i/r.
- Worked on securing the WiFi Alliance's 802.11n certification for interoperability.
- Involved in development of a 802.11r solution independent of the available open source alternatives.
- Implemented the RSTP functionality for Access Points.

## ACADEMIC PROJECTS & RESEARCH

### DESIGN AND DEVELOPMENT OF BLOOD PRESSURE MONITOR

Jan 2010 - April 2010 | Goa, India

Worked with **Aniket Sachan** and **Vikash Sharma** under the guidance of **Sarita Kumari**. We concentrated on developing simulation of circuits and filters involved in the designing of a BP Monitor so that we can improve upon them. Another aspect of this project was to do a detailed analysis of the available BP calculating algorithms and implement them in Matlab.

### DESIGN AND VERIFICATION OF SAFETY CRITICAL SYSTEMS

Jan 2010 - April 2010 | Goa, India

A survey of the established standards for designing safety critical systems guided by **Dr. K.R Anupama**.