

EDUCATION

Texas A and M University, College Station, TX

Master of Science in Computer Science

May 2019

• *GPA: First Semester Student*

Courses: Machine learning, Speech Processing, Cloud Computing

PES Institute of Technology, Bangalore, India

• *Bachelor of Computer Science and Engineering*

Aug. 2011 - May. 2015

GPA: 8.68/10.0

PROGRAMMING SKILLS

- **Languages:** Python, C++, Java, Perl, SQL, JavaScript
- **Technologies:** Unix, Make, SVN, GIT, Jenkins, ARM Architecture

EXPERIENCE

• **ARM**

Bangalore, India

Software Engineer, Architecture and Technology group

July 2015 - July 2017

- Owned the Development and Deployment of the Architecture Resource Configuration Interfacing(ARCUI) tool.
- Collaborated with a team of 30+ members and automated Model configuration process.
- Developed and Maintained software tools for running, reporting and configuration of Architecture Validation Suite.
- Prototyped the application for automatic test database generation.
- Worked on enhancements and release of the Validation Abstraction Library for the v8R profile ARM Architecture.
- Mentored 2 interns and facilitated the ramp-up of new team members.

• **ARM**

Bangalore, India

Intern, Architecture and Technology group

June-July 2014 and Jan-Apr 2015

- Developed a framework to implement and deploy Architectural Checkers and Profilers for the Architecture Validation Suite (AVS).
- Implemented and deployed Checkers to detect compliance with memory management operations.
- Implemented and deployed Profilers to identify performance bottlenecks in AVS.

PROJECTS

- **BLOX:** Prototyped a voice controlled low power IOT device which can host basic apps like clock, weather, stocks etc. Developed a Software Framework for App Development for BLOX. Technologies: Python, Google speech engine, ARM mbed Platform, micro-controller, E-ink display and WiFi
- **Lookaside Sort:** Devised an optimized version of merge sort that uses heuristics to partition the elements.
- **CAMS:** Developed a Web based College Activity Management System to manage all the clubs within the campus and enable their interaction with students. Technologies: HTML, CSS(Bootstrap) , JavaScript, PHP.

AWARDS AND INVOLVEMENT

- Won Bravo award at ARM in recognition of contributions to the Methodology team.
- Volunteered as a teacher at SIKSHA - an I-care initiative to provide education to underprivileged kids.
- Former Secretary of ARM Talkies Toastmasters Club.
- Led a team of 6 as the Head of the Public Relations team, Entrepreneurship cell, PES Institute of technology.
- Volunteered for multiple social activities as a member of TeamARM, the CSR club of ARM.