

EDUCATION

- **Texas A and M University** College Station, TX
Master of Science in Computer Science Aug 2017 - Present
- **PES Institute of Technology** Bangalore, India
Bachelor of Computer Science and Engineering; GPA: 8.68/10.0 Aug. 2011 – May. 2015

EXPERIENCE

- **ARM** Bangalore, India
Software Engineer, Architecture and Technology group July 2015 - July 2017
 - **ARCUI:** Owned the Design, Development and Deployment of ARCUI, a tool to manage user's Architecture Resource Configuration parameters. The tool also provides a Technologies : C++, Python, Object oriented programming, Make, ARM Architecture.
 - **Validation Tools:** Developed and Maintained multiple software tools for running, reporting and configuration of Architecture Validation Suite. Technologies : Python, Perl, C++
 - **Mentorship:** Mentored 2 interns. Projects : 1) SVN to GIT porting 2) Auto test database generation.
- **ARM** Bangalore, India
Intern, Architecture and Technology group June-July 2014 and Jan-Apr 2015
 - **Dynamic Analysis Tools:** Developed a framework to implement and deploy Architectural Checkers and Profilers for the Architecture Validation Suite (AVS). Implemented Checkers to detect compliance with memory management operations. Implemented Profilers to identify performance bottlenecks in AVS.
- **Texas A and M University** College Station, TX
Grader, Database Systems Aug-Dec 2017

PROJECTS (UNDERGRADUATE)

- **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 a new sorting algorithm. The algorithm is 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.

PROGRAMMING SKILLS

- **Languages:** Python, C++
familiar with : Java, Perl, SQL, Web technologies
- **Technologies:** Unix, Make, SVN, GIT, Jenkins, ARM Architecture, Photoshop

AWARDS AND INVOLVEMENT

- First Class Distinction award in all semesters of Undergraduate program.
- Bravo award at ARM in recognition of contributions to the Methodology team.
- 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.
- Volunteered as a teacher at SIKSHA - an I-care initiative to provide education to underprivileged kids.