

## EDUCATION

---

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

## EXPERIENCE

---

- **ARM Embedded Technologies** Bangalore, India  
*Software Engineer, Architecture and Technology group* July 2015 - July 2017
  - **ARCUI:** ARCUI is a tool to manage user's Architecture Resource Configuration parameters. Technologies : C++, Python, Object oriented programming, Make, ARM Architecture.
  - **Validation tools:** Development and Maintenance of 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 Embedded Technologies** 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. Implemented Checkers to detect compliance to memory management operations. Implemented Profilers to find out performance bottlenecks in AVS.
- **Texas A and M University** College Station, TX  
*Grader, Database Systems* Aug-Dec 2017

## 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, wifi and other necessary modules.
- **Lookaside sort:** Devised a new sorting algorithm which essentially is an optimized version of merge sort. The algorithm uses heuristic to partition the elements instead of blindly partitioning them. The average time complexity is expected to be better than  $O(n \log n)$ .
- **CAMS:** 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 for significant contribution to Methodology team.
- Secretary at ARM Talkies toastmasters club (for 6 months).
- Lead a team of 6 as head of Public Relations team, Entrepreneurship cell, PES Institute of technology (for 3 months).
- Volunteered for multiple social activities as a member of TeamARM, the CSR club of ARM Technologies.
- Volunteered as a teacher SIKSHA, An I-care initiative to provide education to underprivileged kids (3-month program).