

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 optimised 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).
- Performed multiple social activities as an active member of TeamARM, the CSR club of ARM Technologies.
- Educated kids as part of SIKSHA, An I-care initiative to provide education to underprivileged kids (3-month program).
- Participated and Completed in TCS 10k Marathon (for charity).