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ACADEMIC PROFILE

Degree	Major	Institute	Year	Performance
Masters	Computer Science	Missouri University of Science and Technology, MO, US	2017	3.57/4.0
Bachelors	Computer Science	Andhra University, Visakhapatnam, India	2015	4.0/4.0

EXPERIENCE

Abbott Laboratories, Sylmar, CA –*Software Development and Quality Engineer*　　　　**Feb 2017 – August 2017**

- Developed a software application individually that can automate the generation of compliance report in C++. The software helped the team by saving 90% of time compared to writing the report manually. The software was a solution to parse through 1000s of records manually and identify the relevant information
- Developed a software application which can identify incorrect entries in a product review. The software was developed with the help of hardware, manufacturing and design teams. The software made a great impact as it helped the teams to create the design review document in 30 minutes as compared to 2 hours
- Developed software requirements, specifications, validation and test cases for implantable devices
- Collaborate with the quality team for writing, executing, designing and unit testing for health care devices using Build Automation Tool(BAT)

Missouri University of Science and Technology, Rolla, MO – *Graduate Research Assistant*　　　　**Jan 2016 –Dec 2017**

- Published a paper on security in Automated Vehicle Systems. Explored all the three security issues involved with Autonomous vehicles and designed a security model which would detect an attack
- The innovative security model was developed after thorough researching of security issues under my advisor, Dr McMillin, which uses the information shared between autonomous vehicles using sensors (LIDAR/RADAR) and network sharing to detect an attack
- Developed a smart grid framework called FREEDM which helps in distributing solar energy to the solar community at Missouri S&T

Kony Labs, Hyderabad, India – *Software Engineer*　　　　**May 2014 – July 2014**

- Implemented a compiler which could convert code written in Assembly Language to C. The program could execute and display results along with highlighting the error line in the assembly code
- Developed an application like Facebook where users can post, download and add friends. The program was developed using JAVA and Angular.js

SKILLS

Programming	Software Tools & Frameworks	Database and OS	Miscellaneous
JAVA	Microsoft Word	SQL	Software Engineering and Testing
MATLAB	Visual Studio	Unix	Mobile development technology
C/C++	RStudio	Windows	Web Applications
C#	.NET MVC	Oracle	Agile Software Development lifecycle
Objective C	Selenium	Linux	REST API
Python	Jenkins	Ubuntu	QA
JavaScript	React	MongoDB	Test Automation Frameworks
HTML5	AngularJS		Problem Solving and Critical Thinking
CSS	REST		Verbal and Written communication skills
			Hadoop and MapReduce

Publications

- Published a technical paper titled "Multiple Security Domain Non Deducibility of Autonomous Vehicle System" In Eleventh IFIP WG 11.10 Int'l Conf. on Critical Infrastructure Protection, Mar 17

PROJECTS

- **Share and Download- Project Leader**
  - Developed an application simulating Bit Torrent System where user can share high quality video and audio files from various clients when connected to a server-side authenticator using socket and multi-threaded programming
- **Auto-clustering using Evolutionary Techniques**
  - Developed a model in Matlab where an image could be clustered with respect to the pixel values using TLBO and k means
  - These clusters were used for sentiment analysis based on the Google, Facebook and Twitter posts
- **Front End Web Development**
  - Developed the website (http://web.mst.edu/~eachx8/index.html) for Dr Beth Cudney
  - Debugged issues of the old HTML and CSS files and written new working code for the website

ACTIVITIES

- **Alumni House of Giving at Missouri S&T-** Organized alumni meets in collaboration with other hospitality groups
- **Missouri S&T book store-** Provided customer support for students and their parents in selecting the semester books and stationary
- **Event Coordinator** at Tech Fest- Organized a large-scale coding competition