

Objective

To secure an internship in Software and Engineering

Education

The Ohio State University, Columbus
MS in Computer Engineering
PES Institute of Technology, Bangalore
BE in Electronics and Communication

CGPA: 3.36/4
Started : Aug 2015
CGPA: **9.07/10**
Graduated: Aug 2013

Coursework: Computer Communication Networks, Network Science and Network Data Mining, Data Structures and Algorithms, Network Programming, Wireless Sensor Networks, Internet of Things(IoT) and Mobile Ad Hoc networks, Advanced Microcomputers, Computer Architecture, Software Project Management.

Academic Projects

- Ongoing project on **Data Analytics for Social Networks**: [Skills: Python, Matlab, neo4j ; Duration: Nov 2015 -Present] Project on twitter data analytics; involves derivation of time estimates and prediction of relationships between the users based on the network interactions.
- Influence Passivity of Multi layered networks** : [Skills: Python, networkx, Linux ; Duration: Jan 2016 -Present] Developing an algorithm for influence(role of a node in information flow in large networks) and passivity of nodes; Involves data crawling, analytics and visualization.
- Cloud and Mobile integration** for Wireless sensor networks: [Skills: C#, .net, CoAP ; Duration: Aug 2015 -Dec 2015] Implemented CoAP on .net micro framework and designed an IOT network to support cloud connectivity of the emote.
- Reliable file transfer protocol over UDP** [Skills: C, Linux, C++, NS-3 ; Duration: Jan 2016 -Mar 2016] Completely implemented TCP daemon to reliably transfer large files over a simulated real network.
- Development of a software simulation tool** for ARM Microarchitecture. [Skills: C# ; Duration: Jan 2015 -Present]
- Multimodal Sensor network** for health monitoring & diagnostic. [Skills: Matlab, Arduino ; Duration: Jan 2013 -May 2013]
- Audio signal processing project on **Acoustic Echo canceling**. [Skills: Matlab ; Duration: Aug 2012 -Dec 2012]
- Embedded and front end circuit design of **Portable token display system**. [Skills: C ; Duration: Jan 2012 -May 2012]

Work Experience

Software Engineer

09/2013 - 08/2015

Cisco Systems – Bangalore ,India

Engineering IT, Product Development Services(PDS). [Skills: Java, HTML, CSS, JavaScript, JQuery, Hadoop , Spring framework]

- Developed enterprise web application tools, front and back end in Spring framework.
- Involved in integrating the workflow of the tools and corresponding data from the initiation of a Product Release to its end customer marketing. As a part of this project, have worked with all parts of the MVC (Model View Controller) model and Agile product development methodology.
- Worked on Big data analytics project aiming at solving data interpretation problems and coming up with innovative analytics for the data from multiple services along with presenting relevant business analytics to various levels of management. Also involved in implementation through map reduce programs.
- Developed RESTful APIs for required services and worked with high level deployment processes on cisco.com.
- Was involved in handling the web security issues such as cross site scripting and sql injection vulnerabilities for the external customer facing sites.

Skills

- Frameworks:** Spring, hibernate, Dojo, jquery, extended Java Script, Hadoop 2.
- Software:** MATLAB, NS-3, Aurdino, Eclipse, emote software, Toad, AndroidStudio, Simulink, CISCO packet tracer, wireshark, MASM, Keil, MicroVision3, SPICE, Xilinx, triton, CC Studio.
- Operating Systems:** Windows, Linux, IOS
- Languages:** C, C++,Java, C#, Python, SQL, HTML & CSS, Javascript, Embedded C, Map/Reduce, R programming.
- Soft Skills** : Member of the toast masters club from September 2013-August 2015, experienced in customer interaction, good team player.

Accomplishments

- Won the competition for the **Best User Interface Implementation** at CISCO for developing a complete grid based solution for a web application project and also **Gold certification** in Continuous Delivery for Software Release Management tool development.
- Have been presented with '**You Inspire**' award and '**You Amaze**' award several times in a span of 2 years at CISCO.
- Secured 237th rank in CET, 32nd rank in COMED K, 208th rank in AIEEE(An all India level Under Graduate entrance exam taken by 1,300,000 students)
- Have been awarded with the "**National Merit scholarship**" continuously for the four years of BE and "Distinction award" for excellent academic performance in all semesters and Best Student Awards in mathematics, science, Electronics, English
- Our project "Multimodal sensor network for health monitoring and diagnostics" was selected for the final round of the JED-I project challenge, All India level competition.