RASHMI JAYATHIRTHA RAO

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Objective   To a secure a full-time position that will enhance my skills in software development and engineering

Education

The Ohio State University	GPA: 3.64/4
MS in Computer Science	Expected Graduation : May 2017
PES Institute of Technology	GPA: 9.07/10
BE in Electronics and Communication	Graduated: Aug 2013

Coursework: Network science and network data mining, Advanced algorithms, Advanced computer architecture,Database management systems, Computer communication networks, Network programming, Wireless sensor networks and Internet of Things(IoT), Advanced microcomputers

Skills

- **Languages**: Java, Python, Map/Reduce, R programming, C, C++,C#, PHP, D3.js, SQL, HTML & CSS, Javascript, Embedded C
- **Frameworks**: Spring, Hibernate, Hadoop 2, Dojo, jquery, Extended Java Script.
- **Software**: Amazon Web Services, MATLAB, NS-3, Aurdino, Eclipse, Emote Software, Toad, AndroidStudio, Simulink, CC Studio
- **Operating Systems**: Windows, Linux, CentOS

Work Experience

1. Software Engineer   Sep 2013 - Aug 2015

Cisco Systems – Bangalore ,India

Engineering IT, Product Development Services (PDS).

- Developed enterprise web application tools, front and back end improving the Release Management efficiency by more than 80%.
- Involved in integrating the workflow of the tools and corresponding data from the initiation of a product release to its end customer marketing.
- 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. Developed RESTful APIs for required services and worked with high level deployment processes on cisco.com.
- Handled the web security issues such as cross site scripting and sql injection vulnerabilities for the external customer facing sites.

 Skills Developed: Java, HTML, CSS, JavaScript, Jquery, Hadoop , Spring framework

2. Graduate Research Assistant at **The Ohio State University**:   May 2016 -Present

- Ongoing research uses data analytics of web logs to model cognitive behavior. Also, managed web based platform for smart classes.
- The research project is funded by the National Science Foundation to characterize how students use computational thinking to learn the graphical and data-based representations of functions.

Skills Developed: Python**,** PHP, CentOS, Moodle, Jquery, HTML5,R

Academic Projects

- Data analytics on multi layered networks **:**   Jan 2016 -May 2016
  Developed an algorithm for influence(role of a node in information flow in large networks) and passivity of nodes; Involves data crawling, analytics and visualization.

Skills Developed: Python, networkx, Linux

- Ongoing project on data analytics for social networks**:**   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.

Skills Developed: Python, Matlab,neo4j

- Cloud and mobile integration for wireless sensor networks: Aug 2015 -Dec 2015
  Implemented CoAP on .net micro framework and designed an IOT network to support cloud connectivity of the emote.

Skills Developed: C#, .net, CoAP

- Reliable file transfer protocol over UDP   Jan 2016 -Mar 2016
  Completely implemented TCP daemon to reliably transfer large files over a simulated realtime network.

Skills Developed: C, Linux, C++, NS-3

- Multimodal sensor network for health monitoring & diagnostic.   Jan 2013 -May 2013

Skills Developed: Matlab**,** Arduino

Accomplishments

- Won the competition for "Best user interface implementation" at CISCO also "gold certification" in continuous software tool delivery.
- Secured 32nd rank in COMED K, 208th rank in AIEEE(An all India level Under Graduate entrance exam) and awarded with the "National merit scholarship"
- Multimodal sensor network was selected for final round of the JED-I project challenge, all India level competition.
- As an intern at Philips innovation lab, presented 2 white papers in embedded system design.