

RASHMI JAYATHIRTHA RAO

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Objective To to secure a full-time position that will enhance my skills in Software Development, Design and Engineering.

Education

The Ohio State University, USA

MS in Computer Science

PES Institute of Technology

BE in Electronics and Communication

GPA major: 3.49/4

Expected Graduation : **May 2017**

GPA: 9.07/10

Graduated: Aug 2013

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

Skills

- **Languages:** Java, Python, Map/Reduce, R, C, C++,C#, PHP, Angular JS, D3.js, SQL, HTML5 & CSS, Javascript, Bootstrap
- **Frameworks:** Spring, Hibernate, Hadoop 2, Dojo, jquery, Extended Java Script.
- **Tools:** GIT, SVN, Rally, Jira
- **Operating Systems:** Windows, Linux(Ubuntu, CentOS)

Work Experience

1. Software Engineer at Cisco Systems

Sep 2013 - Aug 2015

- Developed full stack enterprise web applications in MVC (Model View Controller) framework.
- Developed RESTful APIs for services on and deployed them on cisco.com
- Adhered to Agile product development methodology
- Worked on a big data analytics project which aimed at providing analytics to various levels of management from the data collected via different sources.
- Resolved web security issues for the external customer facing sites (cross site scripting and sql injection vulnerabilities).
- Managed integration of the end to end workflow.

Skills Developed: Java, HTML, CSS, JavaScript, JQuery, Hadoop , Spring framework, Hibernate, RESTful API, Continuous Integration

2. Graduate Research Assistant at The Ohio State University

May 2016 -Present

- Working on an NSF research project to analyze the behavior and cognitive bias using web log data and Data Science.
 - Co-developed of a graph based e-learning web application with PHP which is being used by more than 500 students across Columbus.
- Skills Developed:** Python, PHP, CentOS, Moodle, JQuery, HTML5, R, Human Computer Interaction(HCI), UX design, Spark, Scala, Stratified sampling.

Academic Projects

- Influence and passivity in multi layered networks : Jan 2016 -May 2016
Developed an algorithm to find the nodal influence in a multi layer network using page rank and HITS algorithm. Performed data crawling, analytics and visualization.
Skills Developed: Python, networkx, Linux
- Neural Network based Branch Predictors: Aug 2016 -Present
Implemented Perceptron, a Neural Network based Branch Predictor.
Skills Developed: Linux, C++
- 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
- FTP over UDP:
Developed a reliable file transfer protocol over the unreliable UDP in the simulation of a real time network.
Skills Developed: C, Socket Programming

Extended Activities and Accomplishments

- Developed my state of the art portfolio web application: <http://rashmijrao.com> using Angular JS along with google analytics tracking.
- Won the competition for "Best user interface implementation" and a "gold certification" in continuous software tool delivery at CISCO.
- Pursuing Data Scientist Specialization course on Coursera from The University of John Hopkins.
- Secured 32nd rank in COMED K, 208th rank in AIEEE(An all India level Under Graduate entrance exam) among more than 200 thousand examinees.
- Was awarded with the "National merit scholarship" for academic excellence in all the semesters of BE.
- Our project on Multimodal sensor network for health monitoring and diagnostic was selected for final round of the JED-I project challenge, all India level competition.
- As an intern at Philips innovation lab, I presented 2 white papers in embedded system design for healthcare.