

Rahul Godha

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EDUCATION

UNIVERSITY OF WISCONSIN

MS IN COMPUTER SCIENCE

Expected Dec 2016 | Madison, WI

VIT UNIVERSITY, VELLORE

BTECH IN COMPUTER SCIENCE

July 2012 | Vellore, India

LINKS

Github:// [rgodha](#)

Tech Blog:// [@rahulgodha](#)

LinkedIn:// [rahulgodha](#)

COURSEWORK

GRADUATE

Big Data Systems

Operating Systems

Computer Networks

Adv Computer Networks

Algorithms

Independent Research

UNDERGRADUATE

Distributed Systems

Operating Systems

Data Structures and Algorithm

CERTIFICATIONS

CCNA (Routing and Switching)

Cisco Security White Belt Ninja

SKILLS

PROGRAMMING

C • C++ • Java • Spring framework

Data Structures • Hibernate • Python

Web Programming:

HTML • CSS • jQuery • AJAX

Adobe PhotoShop

AWARDS

Top 5 at VMware Intern Competition.

3 times 'Cisco Achievement Award' winner.

3 times STAR performer at Cisco.

2nd in C Competition, IE(India), VIT.

Technical Head, ACM, VIT Student

Chapter.

Demoed **TweakMyTwitter** App at Yahoo!

Open Hack 2012.

EXPERIENCE

VMWARE | MEMBER OF TECHNICAL STAFF INTERN AT VMWARE NSX

May 2016 – August 2016 | Palo Alto, CA

- Developed a 3 tier application with Spring framework that includes Spring MVC, Spring Data JPA and Spring Data REST API support.
- Application interacts with L2 Switching and dynamically enforces L2 network policies on a Logical Switch in a distributed virtual port of a Virtual Machine.

CISCO SYSTEMS | SR. SOFTWARE ENGINEER

July 2012 – July 2015 | Bangalore, India

- Worked on **security** area for Cisco's next generation converged OS architecture for wired and wireless switches and routers that provides authentication, authorization and accounting for end users and network devices.
- Worked on Implementation of **Cisco TrustSec**, 802.1X, AAA, Radius, L2 layer encryption (MACSec) and SAP protocols.

CISCO SYSTEMS | SOFTWARE ENGINEER INTERN

Jan 2012 – Apr 2012 | Bangalore, India

- Developed an application that applies Deep Packet Inspection (**DPI**) technology to classify the packet flow of the traffic and further applied Quality of Service.

RESEARCH

UNIVERSITY OF WISCONSIN | LONGITUDINAL AD FRAUD STUDY

Jan 2016 - May 2016 | Madison, WI

Worked with Prof. Paul Barford and comScore to analyze web traffic in on-line advertisement network. Developed a framework that does time series analysis.

ACADEMIC PROJECTS

Trending Words in Twitter (using Apache Spark/Hadoop)

Sept 2015 – Oct 2015 | UW, Madison

- Built Machine Learning Application using MLlib on Apache Spark.
- K-means clustering of tweets by building TF-IDF feature vector for each tweet.

Empirical Study of Stragglers in Apache Spark

Nov 2015 – Dec 2015 | UW, Madison

- Evaluation of Spark's Speculative Straggler mitigation technique by inducing faults in disk, network and CPU.
- Evaluate Effectiveness of Spark's Straggler Mitigation Technique.

Project in xv6 OS

Jan 2016 – May 2016 | UW, Madison

- Scalable Web Crawler: Download and parse Internet content.
- xv6 Threads: Adding Kernel Threads to xv6 Operating System.

PERSONAL RESEARCH

HOME AUTOMATION: Access Control for IoT Devices

Oct 2014 | Bangalore, India

Proposes a tagging mechanism to group sensors based on its role and provide selective internet access to IoT sensors. Implementation demo: **Video**.