

# Curriculum Vitae

## **MAHESH NATH MADDUMALA**

School of Computing and Engineering,  
University of Missouri – Kansas City,  
Kansas City, MO, USA.

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### **EDUCATION**

**Ph.D.** in Computer Science

US Army Funded Workshop on “Emerging Cyber Techniques and Technologies”,  
Miami, FL, USA. (Invited talk) Nov. 2015  
16th IEEE International Conference on Mobile Data Management, Pittsburgh, PA, USA.  
(Paper presentation) June 2015  
NSF-Supported Faculty Workshop on Cybersecurity for Critical Infrastructure, Lubbock,  
Texas, USA. May 2015

## **RESEARCH EXPERIENCE AND INTERESTS**

### **Research Experience (Research Assistant):**

Sep. 2014 – Sep. 2016

University of Missouri – Kansas City

*Research Project: A Logic-based Security Framework for Wired and Mobile Perimeter.*

*Description:* The main objective of this framework is to

**Assistant Professor**

June 2013 – May 2014

Sanketika Vidyaparishad Engineering College, India.

*Courses taught: Cryptography and Network Security*

*Compiler Design*

*Computer Architecture and Organization*

**Teaching interests**

*Computer Networks*

*Network Security*

*Information Security and Assurance*

*Cryptography*

*Ethical Hacking*

*Digital Forensics*

*Operating Systems*

*Programming Languages*

*Technologies:* knowledge of 3gpp specifications, NAS layer protocols, SIM Authentication and Intel's proprietary software for designing and developing 3gpp protocols for NAS layer.

*Work Location:* Bangalore, India

*Duration:* 1 year

*Project2:*                   **Columbus Project for Mobile Applications**

*Module:* Call Processing Module and Dialer User Interface

*Client:* AT&T, USA

*Technologies:* 3gpp Specifications related to the call processing module, Qualcomm BREW, UiOne, TrigMI and Qualcomm's Proprietary Tools

*Work Location:* Austin, Texas, USA and Redmond, Washington, USA.

*Duration:* 2 years

*Project3:*

*Module:* User Interface Applications and over the air downloads for Sprint's Mobiles

*Client:* Sprint, USA

*Technologies:* Qualcomm BREW, Trigml and Qualcomm's Proprietary Tools

*Work Location:* Overland Park, Kansas and Bangalore, India

*Duration:* 1.5 year

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## **CERTIFICATES**

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EC-Council **Certified Ethical Hacker** (CEH)

May 2017

This is a highly prestigious certificate in security.

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## **AWARDS AND GRANTS**

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Recipient of prestigious SNAP award for individual extraordinary performance for call processing module from Aricent Group, USA.

2011