

Curriculum Vitae

MAHESH NATH MADDUMALA

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

E-mail: mahesh.maddumala@mail.umkc.edu, maheshnath.m@gmail.com

Mobile: +1 (816) 209-9668

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

CERTIFICATES

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

May 2017

This is a highly prestigious certificate in security.

AWARDS AND GRANTS

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

2011