

Ashok Bommisetti

Education

Syracuse University

M.S., COMPUTER SCIENCE

Dec 2015 | Syracuse, NY

Cum. GPA: 3.80 / 4.0

Amity University

B.TECH., ELECTRONICS &

COMMUNICATION ENGINEERING

Apr 2011 | Noida, India

Best Student in Technical Innovation

Skills

Programming

Over 8000 lines:

Java • Shell Scripting • Javascript

Over 3000 lines:

C++ • Python • PL SQL • Android

Familiar:

C • PHP • Stored Procedures • \LaTeX

Build tools

Ant • gradle

Source Control

git • SVN

OS

Linux (Ubuntu) • Solaris • Windows

Application Software

Eclipse IDE • Toad • Android Studio

Certifications

Python Programming

March 2015

Graduate Coursework

Computer Security

Machine Learning Methods in Security

Internet Security

Object Oriented Design

Principles of Operating Systems

Design and Analysis of Algorithms

Computer Architecture

Honors

- Phi Beta Delta

Links

Github:// [bashok001](#)

LinkedIn:// [bashok](#)

Quora:// [Ashok-Bommisetti](#)

Twitter:// [@bashok001](#)

Experience

Digital Ricochet | LEAD DEVELOPER

Aug 2012 – Dec 2013 | Hyderabad, India

- Developed a tool for Business flow aggregation, integration and automation that is used by 9 clients.
- Developed REST API Interface for mobile client integration.
- Built async infrastructure for fast communication interfaces between clients.

Accenture Services Pvt Ltd | ASSOCIATE SOFTWARE ENGINEER

Jun 2011 – Jul 2012 | Bengaluru, India

- Worked on middleware system of one of the largest telecom companies in the world, with focus on network integration involving synchronous and asynchronous communications.
- Developed 5 Oracle web services with JAX-WS support.
- Involved in development of a generic proactive monitoring system that is deployed by 4 teams across the project.
- Implemented the design of Performance testing automation suite that is currently used by 3 teams.
- Maintained Legacy systems developed in Shell Scripts, Informatica and .net.

Research

Cyber Security Research Group | RESEARCH ASSISTANT

Jan 2014 – Present | Syracuse, NY

- Worked with **Paul Ratazzi** and **Dr. Kevin Du** to create **PinPoint**, an efficient and near-zero overhead implementation of namespace concept in Android framework.
- Design and development of Android app launcher with focus on security in mobile ecosystem.
- Working on developing container technology in Android Operating Systems.

Awards

- 2014 **500** out of 5700 competitors in IEEEExtreme 8.0
- 2011 - '12 **'Employee of the Month'** by client thrice in 11 months
- 2012 **'Path Finder'** in Annual awards by Accenture for delivering innovative solutions to the client
- 2011 Q4 **'Rising Star'** in Quarterly awards by Accenture for quality delivery in challenging timelines
- 2007 - '11 **'Best student in Technical Innovation'** for 2007-11 batch by Amity University

Publications

- [1] P. Ratazzi, A. Bommisetti, N. Ji, and W. Du. PINPOINT: Efficient and Effective Resource Isolation for Mobile Security and Privacy. In *Mobile Security Technologies (MoST) 2015*, San Jose, CA, USA, May 21 2015.
- [2] A. Bommisetti, V. Gupta, and P. Kumar. Object tracking – augmented algorithm. In *National Conference on Advancements in Signal Processing & Integrated Networks, SPIN'11*, Feb 2011.

Academic Projects

Intel SGX Emulator

Aug 2014 – Dec 2014

- Implemented a simulator for Intel's newest on-chip security feature, Software Guard Extensions, in software layer based on the announced documents.

Mini VPN

Jan 2014 – Apr 2014

- Prototyped and demonstrated a fully functional SSL VPN to demonstrate Crypto, Authentication, Key Management, Key Exchange and Public-Key Infrastructure.

Leadership Experience

IEEE Student Chapter, Amity University | VICE CHAIR

Jan 2010 – Apr 2011 | Noida, India

- Managed a budget of \$4,000 to sponsor programs that will engage students in technical pursuit.
- Authored constitution and drafted bylaws for chapter and societies.

National Conference on Mobile & Embedded Technologies | STUDENT SECRETARY

2010 | Noida, India

- Led more than 45 students that are involved in organizing the conference.
- Managed a budget of more than \$10,000 to run the conference and concluded it successfully.