

Yeleswarapu Venkata Kasi Viswanath

Website: viswanathvyk.com * LinkedIn profile: <https://www.linkedin.com/in/yvkviswanath>

Unit #26, 4301 Lincoln Swing, Ames, IA, USA, 50014 * visu1025@gmail.com * (+1) 515-708-8106

EDUCATION:

- **Master of Science, Computer Engineering, Iowa State University** GPA: 4 /4 May 2017
Relevant Courses: Distributed Software Development, Computer and Network Forensics, Distributed Systems and Middleware, Information Warfare, Information System Security, Advanced Protocols and Network Security, High Performance Communication Networks.
- **Bachelor of Technology, Electronics and Communications, JNTUK** GPA: 9.53/10 April 2015
Relevant Courses: Computer Networks, Computer Organization, Network Switching and Analysis, Microprocessors and interfacing, Microcontrollers and interfacing, C & Data Structures.

TECHNICAL SKILLS:

- Programming Languages: Java, C, Python
- High Performance Computing, MPI
- Web Technologies: HTML5, CSS, JavaScript
- Databases: PostgreSQL
- Software Skills: Selenium WebDriver, Junit, LabVIEW, Visual Studio, Eclipse, Mininet, Android Studio
- Forensics : Encase, FTK tool kits

PROFESSIONAL EXPERIENCE:

Cyber Security Advisory Intern – PwC, Minneapolis June 2016 – July 2016

- Worked on Identity and Access Management for the users of a consumer retail website and employees.
- Developed Java code for automating 300 test cases, using Selenium WebDriver for functional testing of web application UI and Junit with Mockito framework for backend Unit testing.

Research Assistant at Iowa State University January 2016 – May 2016

- Working on design and development of a parallel computing framework C library using MPI to provide data distribution and batch job scheduling in a cluster of nodes.
- The framework design reduces the space complexity on each node from $O(\sqrt{N})$ to $O(1)$.

Technical Consultant Intern at Efftronics - Indian Railways (IRCTC), India May 2014 - July 2014

- Worked on the front end data logger software in C++ for data management.
- Analyzed data from data loggers for applications like Fault tolerant systems and train management systems to reduce the maintenance efforts and delay.

ACADEMIC PROJECTS:

Prevention of TCP Incast in Datacenter Networks: October 2015- December 2015

- Implemented a request scheduling system to prevent TCP Incast phenomenon by reducing concurrent flows.
- Developed the system to reduce the Incast probability by 6 times on Mininet using Python scripts.

Secure Multi-Party Computation Using Blockchain: April 2016

- Designed a secure multi-party computation platform to support online multi-party lotteries using Blockchain/Bit coin technology.
- Developed the system to maintain simplified block-chain in Java using CORBA.

Distributed Chat Service Application: February 2016

- Developed a distributed client/ server application to provide chat service providing communication transparency using Java RMI and multithreading.

Distributed Auction Service: March 2016

- Developed a multi-party online auction service to emulate an English auction protocol in Java using CORBA.

Authorship Attribution Analysis in Instant Messaging: November 2016

- Developed Authorship Attribution Analysis in instant messaging by identifying stylometric and statistical features like urban slang using API calls, emoticons and special characters.
- Implemented to deduce the authorship, derive characteristics of an author and attribute authorship to an author.