**ASHISH KUMAR**

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www.axeish.me | github.com/axeish | linkedin.com/in/axeish

**Education**

**Northeastern University,** Boston, MA

*Master of Science in Computer Science*, GPA: 3.42 January 2015 – May 2017

*Coursework*: Network Security, Program Design Paradigm, Web Development, Algorithms,

Human Computer Interaction, Database Management, Managing Software Development

**Visvesvaraya Technological University,** Bengaluru, India

*Bachelor of Engineering in Computer Science and Engineering* August 2007 – May 2011

Activities: *Splash,* leader and founder of college art club

**Computer Knowledge**

***Languages & Technologies:***  Python, JavaScript, AngularJS, Node.js, Java, CSS3, HTML5, SQL, JSX, React.js(basic)

***Tools:*** Eclipse, AWS, Adobe Creative Suite, Webstorm, GIT, Wireshark, Vim

***Network Protocols****:* TCP/IP, IP Routing, UDP, VoIP, ITU-T-H.248, Cryptography

**Professional Experience**

**Ericsson,** San Jose, CA

*Internet Protocol OS Engineering Intern* January 2016 – August 2016

* Developed Yvcloud, a tool to automate IPOS developer workflow including building VMware cloud topologies generation, image installation and configuration setup for each node using Python in a two-person team
* Designed and developed plugin for C-Lang format to be used on git diff when commit to a git repository

**Aricent Group**, India

*Software Engineer* August 2011 – June 2014

* Proposed and developed Python automation framework for testing media access gateway and automated every scenario that conforms to H248/MEGACO protocol based architecture
* Implemented features like MFCR2 calls,3 Party Call for Voice over IP application using C/C++
* Developed technical competency in SIP/MEGACO based media gateway and received team excellence award

**Academic Projects**

**Media Licensing Lab** *(Java, AngularJS, MySQL)* Fall 2016

Developed an online licensing lab through which musicians can be invited to upload their compositions with associated metadata for licensing­­­­­­. Exposed to agile software development lifecycle of an AngularJS based web application

This project will be the first licensing lab run by students in USA

**Union Capital Boston prototype** *(AngularJS, CSS)*  Fall 2015

Developed a mobile friendly web interface for non-profit Union Capital Boston after evaluating the interface with continuous user feedback through iterative interview session and brainstorming ideas based on material design

**Secure Instant Messenger** *(Python, AES, RSA, SRP)* Fall 2015

Proposed design for secure instant messaging system and implemented using the Secure Remote Protocol (SRP) and Needham- Schroeder public key protocol. Algorithm includes AES 256 (CBC Mode), RSA 2048 bit, HMAC

**Ashart Website** *(HTML5, CSS3, JS)* Spring 2015

Implemented a responsive website using Artsy API to fetch detailed information about famous artists and artworks

**Spaceship** (*Python*) Spring 2015

Developed an interactive version of asteroid game using concepts of Physics, Python and Object Oriented Programming

**Additional Experience.**

* Teaching Assistant at Northeastern University for graduate course Managing Software Development *Present*
* Freelancer Graphic Designer where developed designs for around 50+ organizations June 2010