Ashish Kumar

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EDUCATION

Master of Science in Computer Science **Expected: May 2017**
Northeastern University, Boston, MA
 Related Coursework: Network Security, Program Design Paradigm, Web Development, Algorithms, Human Computer Interaction, Database Management, Managing Software development

Visvesvaraya Technological University, Bengaluru, India **May 2011**
Bachelor of Engineering in Computer Science and Engineering

PROFESSIONAL EXPERIENCE

Northeastern University, *Teaching Assistant*, Boston, MA **January 2017 - *Current***
- TA for Managing Software Development (CS5500 Spring 17) taken by Prof. Michael Weintraub
- Setup initial infrastructure for class using: Atlassian Confluence, Jira, Slack, Jenkins and DBLP

Ericsson, *Internet Protocol OS Engineering Intern*, San Jose, CA **January 2016 - August 2016**
- Developed Yvcloud, a tool to automate developer workflow including building VMware cloud topologies, keys generation, image installation and configuration setup for each node using Python
- Designed and Developed plugin for C-Lang format to be used on git diff when commit to a git repository

Aricent, *Software Engineer*, India **August 2011 - June 2014**
- Integrated Regression and Traffic tests into existing Python automation framework for media access gateway and automated new scenarios that conforms to H248/MEGACO architecture
- Implemented supporting features and performed debugging for Voice over IP media access gateway controller

Freelancer, *Graphic Designer and Illustrator*, India **Jun 2010 - March 2011**
- Developed designs and Illustration for various emerging startups, magazines and design studios
- Leader and founder of college art club 'Splash' where actively assisted peers and organized art events

COMPUTER KNOWLEDG

Language: Python, JavaScript (React.js, AngularJS, Gulp.js, Node.JS), JSX, CSS3, HTML5, Bootstrap, MySQL
Tools: Eclipse, Adobe Creative Suite, Webstorm, GIT, AWS, Wireshark
Networks : TCP/IP, UDP, VoIP, ITU-T-H.248, Cryptography

ACADEMIC PROJECTS

TA Portal App *(Java, AngularJS, MongoDB)* **Currently Working**
Replacing the existing system of Teaching assistant portal (TA) with an automated and user friendly web application

Media Licensing Lab *(Java, AngularJS, MySQL)* **December 2016**
Developed an online licensing lab through which musicians can be invited to upload their compositions with associated metadata for licensing. Exposed to full lifecycle of an AngularJS based web application development.

Union Capital Boston prototype *(AngularJS, CSS)* **December 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)* **December 2015**
Proposed and implemented a secure instant messaging system using the Secure Remote Protocol (SRP) for client server remote authentication

Ashart Website *(HTML5, CSS3, JS)* **April 2015**
Responsive project that works on Artsy API to get detailed information of famous artists and their artwork. The app also let users search for art or artist by keyword

Spaceship *(Python)* **April 2015**
Developed an interactive version of asteroid game using concepts of Physics, Python and Object Oriented Programming