

# Ashish Kumar

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## EDUCATION

**Northeastern University**, Boston, MA ( GPA : 3.45 )

**May 2017**

Master of Science in Computer Science

*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

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

## PROFESSIONAL EXPERIENCE

**Northeastern University**, Boston, MA

**January 2017 – Present**

*Teaching Assistant*

- Assist class of 78 students for graduate course *Managing Software Development*
- Setup initial infrastructure for class using Atlassian Confluence, Jira, Slack, Jenkins and DBLP

**Ericsson**, San Jose, CA

**January 2016 - August 2016**

*Internet Protocol OS Engineering Intern*

- 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 Group**, India

**August 2011 - June 2014**

*Software Engineer*

- 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**, India

**Jun 2010 - March 2011**

*Graphic Designer and Illustrator*

- Developed designs and illustration for various emerging startups, magazines and design studios

## COMPUTER KNOWLEDGE

*Languages:* Python, JavaScript (React.js, AngularJS, Gulp.js, Node.JS), JSX, CSS3, HTML5, Bootstrap, MySQL

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

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

## ACADEMIC PROJECTS

**TA Portal App** (*Java, AngularJS, MongoDB*)

**Present**

Create replacement for the existing Teaching assistant portal (TA) with an automated and efficient 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