Gaurav Tripathi

Available: January – September 2019

http://tripathi.org | 857-268-8893 | gaurav@tripathi.org | tripathi.g@husky.neu.edu

EDUCATION

Northeastern University, Boston, MA   Sept 2017 – Present
College of Computer and Information Science   Expected Graduation: May 2019
Candidate for a Master of Science in Information Assurance   GPA: 3.5/4.00
Relevant coursework – Computer Systems, Computer Systems Security, Network Security, Research Project in Security.

University of Mumbai, India   Aug 2011 – Jun 2015
Bachelor of Engineering in Information Technology
Relevant coursework – Data Structures and Algorithms, Cloud Computing, Object Oriented Analysis and Design.

TECHNICAL SKILLS

Languages   : Java, SQL, C (familiar), Python (familiar), HTML/CSS, Javascript, PHP (familiar)
Operating Systems   : GNU/Linux, Windows 7/10
Frameworks   : Vaadin, Spring, MyBatis, Python Flask

WORK EXPERIENCE

Northeastern University, Boston, MA   Sept 2018 – Dec 2018
Graduate Teaching Assistant – CS 5600 Computer Systems

- Conduct office hours for 40 students, assist the professor in grading assignments and other logistics.

Conduit LLC, Cambridge, MA   Jul 2018 – Sept 2018
Software Engineer Intern

- Reviewed security aspects of gRPC and Docker containers.
- Assisted in the development of Minimum Viable Product.

JPMorgan Chase & Co., Mumbai, India   Jul 2015 – Jul 2017
Software Engineer

- Brainstormed and developed a critical audit requirement module that saved 100s of hours during audits.
- Automated multiple project on-boarding, saving 150 minutes of user's time every month.
- Developed a service to move over 170,000 files from a SharePoint service saving $850,000+ to our team.
- Developed, documented and published an Android pedometer application for a non-profit organization.

ACADEMIC PROJECTS

Distributed Hash Table – Kademlia, using Python – Northeastern University   Jan 2018 – Mar 2018
- A distributed, Peer-To-Peer hash table with end-to-end communication encrypted using the Sodium crypto library.

DMTCP extension for Docker checkpointing, using C - Northeastern University   Jan 2018
- Checkpointing and restoring program for an application running on Docker container.

Head Mounted Device for Real World Text to Speech Conversion – University of Mumbai   Jul 2014 – May 2015
- Developed a low cost wearable device (using RaspberryPi, OpenCV, Tesseract OCR), that would convert text from natural scenes into an audio output, which could assist moderately to severely visually impaired humans.

Web Logs Analyzer, using Java Swing, jsoup parser, Stanford NLP - University of Mumbai   Mar 2014 – Jan 2015
- Developed a new solution to mine user reviews and analyze sentiments regarding various features to predict reputation of various competing brands.

Signature Graph Information Retrieval, using Java Swing – University of Mumbai   Oct 2013 – Feb 2014
- A Java application that retrieves employees with required skill set and if such person is not available then it locates the closest match for the requirement based on a 'signature' graph along an unbalanced n-ary tree.

CERTIFICATIONS

Certified Ethical Hacker (Certification Number: ECC19646273809)   : EC-Council

AWARDS

Runner up at **Sports Hack**, Australian Institute of Sports at ZoneStartups. (Team size:2,Total teams:25+)   Feb 2016
Lead a team to First runner up at **JPMorgan Technology Bootcamp.** (36 teams of 6 graduate hires)   Sept 2015
Runner up at **Code for Good**, at JPMorgan, Mumbai. (21 teams of 6 student participants)   Jul 2014
Finalist of **Microsoft Hackcon** after finishing 1st in University qualifier, Microsoft.   Mar 2014