

Gaurav Tripathi

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Available: Jun-Dec 2018

EDUCATION

Northeastern University, Boston, MA

Sep 2017 – Present

College of Computer and Information Science

Candidate for a Master of Science in Information Assurance

GPA: 3.5/4.00

Relevant coursework – Computer Systems, Computer Systems Security, Network Security.

University of Mumbai, India

Aug 2011 – Jun 2015

Bachelor of Engineering in Information Technology

First Class

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

JPMorgan Chase & Co., Mumbai, India

Jul 2015 – Jul 2017

Software Engineer

- Part of a team practicing Agile methodology to develop a web based application used to support billing and invoicing, designed in Java, Oracle SQL and UNIX scripts.
- Analyze requirements and streamline existing processes to save user's time on operations and delivery of tasks.
- 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.

PROJECTS

Distributed Hash Table – Kademia, using Python – Northeastern University

Jan 18 – Mar 18

- A distributed, Peer-To-Peer, 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

PebblPark, using PebbleKit JS, GoogleMaps API and Python Flask at AngelHack, Mumbai

May 16

- Developed a zero-glance watch application under 24 hours, that enables user to navigate to closest parking lot by the help vibrations. (Team size: 3)

Web Logs Analyzer, using Java Swing, jsoup parser, Stanford NLP - University of Mumbai

Mar 14 – Jan 15

- 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 13 – Feb 14

- 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.

PUBLICATIONS

Head Mounted Device for Real World Text to Speech Conversion

: International Journal of Computer

(ISBN:973-93-80895-02-5) (<https://goo.gl/U7Jaf7>)

Applications 155(5):16-20, December 2016

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.

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 16

First runner up at **JPMorgan Technology Bootcamp** (36 teams of 6 graduate hires)

Sep 15

Runner up at **Code for Good**, at JPMorgan, Mumbai (21 teams of 6 student participants)

Jul 14

Finalist of **Microsoft Hackcon** after finishing 1st in University qualifier, Microsoft

Mar 14

First Runner up at **CodeNiti Hackathon**, CodeGurukul, CSI-Xaviers (Team size: 6, Total Teams: 30)

Jan 14