

## EDUCATION

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### **Northeastern University**, Boston, MA

College of Computer and Information Science,

Jan. 2017- Present

*Candidate for a Master of Science in Computer Science*

Expected graduation: Dec-2019

Related Courses: Algorithms, Software Development, Information Retrieval, Programming Design Paradigms, AI

### **Amrita University**, Coimbatore, India

May 2015

*Bachelor of Technology in Computer Science & Engineering.*

Related Courses: Software Engineering, Computer Graphics, Data Mining, Computer Networks, Cryptography

## WORK EXPERIENCE

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### **Northeastern University**, Boston, MA

Sep 2017- Present

Web Developer Assistant

- Develop, maintain and support website for College of Arts, Media and Design

### **Harvard University**, Cambridge, MA

Jun 2017- Present

Mobile Application Developer Assistant

- Implement algorithm for identification of genome responsible for CKDU (chronic kidney disease of unknown etiology)
- Develop application for Microsoft HealthVault using Xamarin

### **Honeywell Aerospace**, Bangalore, India

Jan 2015 – Jun 2016

Software Engineer

- Designed and developed Embraer E-2 Applications for communication bus (on-board & ground tools)
- Designed diagnosis and model development tool (DMDT) for Boeing 777x

Software Engineer Intern

- Developed test design automation and CAN protocol tools for Embraer Aircraft. (Best Kaizen Award >7000hrs)

### **Scootpad India**, Hyderabad, India

April 2014 – June 2014

Software Engineer Intern

- Developed and successfully deployed cross platform mobile applications

## ACADEMIC PROJECTS

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- Information Retrieval Project: Develop own web crawler, implement page rank algorithm and elastic search. Sep'18-Present
- Application for Literacy Volunteers of Massachusetts using Gale Shapley Algorithm Jan'18-May'18  
Massachusetts State Project for matching Tutor-Student on Heroku App.
- Robotics Project: IBM Watson TJ Bot Aug'17- Dec'17  
Tone Analysis, Speech to Text and Text to speech using Raspberry Pi 3 and sensors
- Minimizing Transportation cost for Boston Public Schools Apr'17- Jun'17  
Agglomerative Clustering of schools and Bell time assignment using Graph Coloring Algorithm  
Benefits 203 Schools and 44,000 students
- Sudoku Puzzle Solver and Pacman Project in Python Jan'17-Apr'17  
Implementation of Artificial Intelligence algorithms for constraint satisfaction and reinforcement learning.

## TECHNICAL SKILLS

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- Java (including higher order map reduce lambda functions), Python, C, C++, SQL, Ruby on rails.
- Web application development: HTML, CSS, JS, PHP
- Test driven development tools (TDD): Selenium, JIRA, Jenkins, Tortoise SVN.
- Honeywell Certified Green Belt Six Sigma Engineer.