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#### **EDUCATION**

Northeastern University, Boston, MA

Sept. 2017 - Dec. 2019

**Khoury College of Computer Sciences** 

Master of Science in Computer Science, GPA: 3.81

Institute of Engineering and Technology, Lucknow, India

July 2010 - June 2014

Bachelor of Technology in Computer Science and Engineering, GPA: 3.68

## **TECHNICAL SKILLS**

Programming Languages Java, C#

Web Technologies HTML, CSS, Javascript, jQuery, React, Redux

Frameworks Angular, Express, Node, Spring Boot, .NET Framework

Tools Git, Bitbucket, Jira, IntelliJ, Eclipse, Visual Studio, Bamboo, Postman
Others Hadoop MapReduce, Amazon Web Services (AWS), RabbitMQ

Databases MS SQL Server, MySQL, MongoDB (NoSQL)

## **EXPERIENCE**

Application Developer Co-op | Annaly Capital Management Inc., New York

Jan. - Aug. 2019

- Worked extensively on enhancing backend systems and implementing web services.
- Designed and implemented the **Health Check Monitoring System** to monitor critical jobs and SLA data breaches. Created the persistence layer, coded middle tier processes, and the web APIs using **C#** and **.NET framework**. Improved the efficiency of intercepting overnight-support issues and job failures by more than 50%
- Implemented **Message Queuing library** with publish-subscribe and broadcasting functionality using **RabbitMQ** and helped with the integration of message queuing with the existing financial systems.
- Automated the deployment of Database Change Requests by creating a service to query **Jira API** for change requests. Improved the deployment time for such requests by more than 80%.
- Build an Authentication web service using JWT to be used by other services running in containerized environments.
- Extended WPF application for running portfolio predictions by adding features to tweak various variables for a scenario; Created REST API backend, using Entity framework, .NET core and ASP.NET Web API

**Teaching Assistant** | *Northeastern University, Boston* 

Jan. - Apr. 2018, Sept. - Dec. 2018

- Conducted labs, office hours and graded assessments for Computer Graphics course
- Assisted about 50 students with Graphics programming in C++ and OpenGL

#### **PROJECTS**

Job Search Made Easy | Northeastern University

May - July 2018

• Designed a job portal and implemented it as a RESTful web app for aggregating jobs from APIs like Github Jobs API and jobs posted by registered recruiters, using **AngularJS**, **MongoDB**, **ExpressJS**, **NodeJS** 

**Learning Management System** | *Northeastern University* 

Apr. - May 2018

- Implemented the faculty module as a RESTful web application | ReactJS, Redux, Spring Boot, Java, JPA, MySQL
- Implemented the student module as a RESTful web application using MEAN stack | Angular, Node, MongoDB

Accessible Screen Navigation and Conversational assistant for the Blind | PerkinsHack 2018

Feb. 2018

- Spearheaded the development of a navigation system and integrated various modules to build a prototype
- Programmed the finger detection and beep generation modules using Python, OpenCV

**Search Engine** | *Northeastern University* 

Jan. - Apr. 2018

- Implemented a Web crawler, Indexer, Query processor, Searcher using Java, Apache Lucene and Maven
- Evaluated performance of retrieval models like TF-IDF, BM25, and Query Likelihood model and Lucene

# **HACKATHONS**

• OvenBot - Display Screen Navigation for the Blind | Won "Best Accessibility Design"

PerkinsHack 2018

• American Sign Language Interpreter | Won "Best use of Amazon Web Services"

HackWITus 2017