

# Tejas Parab

(617) 858 9647 | Boston, MA - 02215 | parab.t@husky.neu.edu | www.linkedin.com/in/tejasbhaskarparab/

## EDUCATION

**Northeastern University, Boston, MA**

**Sept. 2017 – Present**

**Khoury College of Computer Science**

*Candidate for a Master of Science in Computer Science*

**Expected Graduation: Dec. 2019**

Related Courses: Programming Design Paradigms, Web Development, Computer Systems, Information Retrieval, Algorithms, Database Management Systems, Large Scale Parallel Data Processing

**University of Mumbai, India**

**July 2012 – June 2016**

*Bachelor of Computer Engineering*

## TECHNICAL SKILLS

**Technologies** : Java, Javascript (ES6+), C, Python, Racket, HTML5, CSS3, Node.js, Scala

**Frameworks** : React.js, Redux, Backbone.js, Django, Spring Boot, Express.js, NLTK, scrapy, BeautifulSoup, JDBC, JPA

**Databases** : MongoDB, MySQL, PostgreSQL

**Tools** : Git, Serenity, Cucumber, Google Analytics, Jira, Bamboo, BitBucket, AWS, GCP, Maven

## PROFESSIONAL EXPERIENCE

**Peapod Digital Labs | Quincy, MA**

**Jan. 2019 – June 2019**

**Software Engineering Co-op**

- Implemented flexible rewards feature allowing users to accumulate and redeem rewards over multiple store visits.
- Enabled users to convert reward points for cash discounts or gas savings using Backbone.js and REST API's.
- Developed feature resulted in improved customer loyalty and increased page visits on the rewards page by 10%.
- Maintained and optimized existing features to reduce page load times and provide consistent user experience.
- Exercised BDD by testing features through gherkin, cucumber and serenity thus reducing time spent by QA.

**Northeastern University | Boston, MA**

**Jan. 2018 – May 2018**

**Graduate Research Assistant**

- Spearheaded research to design bicycle simulator for Virtual Bicycle Highway project in a 3-member team.
- Generated virtual environment through tags obtained from OpenStreetMap and Unity3D reducing cost by \$4000.

**Accenture Solutions Pvt. Ltd. | Mumbai, India**

**Nov. 2016 – July 2017**

**Associate Software Engineer**

- Implemented RESTful services to calculate premiums for an insurance application(ALIP) using Java and Spring.
- Enabled caching through Spring Cache and EHCACHE to reduce the number of calls made to third party API.
- Refactored and modified existing code to fix bugs and reduce batch jobs execution time from 13 secs to 7 secs.

## ACADEMIC PROJECTS

**RestoFinder:** MongoDB, Express.js, AngularJS, Node.js, Yelp-Fusion API, RESTful API

**Dec. 2018**

- Led a team of 3 to create a single page social web application allowing users to discover restaurants, write reviews and follow each other. Leveraged yelp-fusion api to get restaurants and corresponding reviews.
- Utilized node.js and mongoose to handle complex relationships between various users and entities.

**Devconnector:** MongoDB, Express.js, React.js, Node.js, Redux, Github API, RESTful API

**Aug. 2018**

- Developed single page social web application enabling developers to interact, follow and recommend others.
- Maintained MongoDB to store encrypted user login data, profile, skills while also fetching their github data.

**Static Web Server:** Rust, ApacheBench

**July 2018**

- Engineered web server to handle multiple service requests concurrently at a transfer rate of 23786.2 kbps.
- Built an LRU cache from scratch for each worker thread to store metadata and information of files processed.

**Othello Multiplayer Game:** Phoenix, Elixir, React.js, Redux

**March 2018**

- Developed an online Othello multiplayer game as a team of 2 enabling users to play, spectate, chat, and watch available moves. Maintained concurrent game sessions using Phoenix channels and Elixir.

**Search Engine:** Python, Lucene

**Dec. 2017**

- Built a search Engine for Wikipedia corpus based on query terms in documents and displayed relevant snippets.
- Implemented TF-IDF, BM25 Retrieval models and evaluated performances of various runs using MAP, MRR.