

# TEJAS BHASKAR PARAB

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Available: January - September 2019

## EDUCATION

**Northeastern University**, Boston, MA

*College of Computer and Information Sciences*

*Candidate for a Master of Science in Computer Science, GPA: 3.40/4.0*

*Related Courses:* Information Retrieval, Programming Design Paradigm, Human Computer Interaction, Web Development, Computer Systems

September 2017 - Present

Expected Graduation: May-2019

**University of Mumbai**, Mumbai, India

*Bachelor of Engineering in Computer Engineering*

*Related Courses:* Data Structures, Algorithms, Database Management Systems, Data Mining.

May 2016

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, Elixir, HTML5, CSS, JavaScript

**Technologies:** Reactjs, react-redux, Express.js, Node.js, Phoenix Framework, RESTful services, Git, Nginx

**Tools:** Atom, IntelliJ, Eclipse, Unity 3D

**Databases:** SQLite, PostgreSQL, MySQL, MongoDB

## PROFESSIONAL EXPERIENCE

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

*Associate Software Engineer* [Domain: Insurance]

November 2016 – July 2017

**Client:** Prudential Financial, Inc.

- Developed and prepared test scenarios, test conditions and test scripts as per the requirements while maintaining 100% test coverage and the documentation of the same.
- Executed the developed test conditions, scenarios and scripts while also performing regression, smoke, and sanity tests on the application (Accenture Life Insurance Platform).
- Reported the failed test scenarios, conditions, scripts and discussed the conflict during team meetings.
- Trained the new employees on using the application in order to ensure maximum efficiency while testing.

## PROJECTS

**Job Search Portal:** Phoenix, Elixir, ReactJS, react-redux, MaterialUI, PostgreSQL

March 2018 – April 2018

- Developed a responsive single page web application which allowed users to search for jobs, JSON data is fetched from multiple RESTful API's from server-side based on the keywords entered.
- Implemented 'sign in' using GitHub OAuth and a resume parsing feature in Elixir using RESTful API which parsed the resume, extracted technical skills and showed relevant jobs on the user home page.
- Maintained a PostgreSQL DB to store user account data such as extracted skills, resume and login type of user.

**Othello Multiplayer Game:** Phoenix, Elixir, ReactJS, react-redux, reactstrap

February 2018 - March 2018

- Developed an online two-player game which also allowed other users to join in an ongoing game as spectators.
- Designed the User Interface using ReactJS and developed the server side logic using Elixir.
- Leveraged Phoenix channels to support multiple instances of the same game and concurrent game sessions.

**TravelMate:** Django, JavaScript, HTML5, CSS, JQuery, Bootstrap, SQLite

February 2018 – April 2018

- Built a responsive ride sharing website for Northeastern University officials and students wherein one may enlist their own ride or also book a ride.
- Developed the front end of the website using JavaScript, JQuery, HTML5, CSS, Bootstrap4 and the back end using Django and SQLite to maintain database.

**Search Engine:** Python, Apache Lucene, BeautifulSoup, Scrapy

October 2017 – December 2017

- Designed retrieval systems using Smoothed Query Likelihood, BM25, Lucene and tf-idf methods in Python.
- Implemented an inverted-index generator that reads the raw documents, generates a unigram, bi-gram and tri-gram inverted index, and stores it in JSON format.
- Compared all four retrieval systems' performance using their mean precision and recall values on the corpus.

**Virtual Reality - Phobia Exposure Therapy:** Unity 3D, C#, Google VR SDK

July 2015 – February 2016

- Developed a virtual reality mobile application having virtual environments for Acrophobia, Arachnophobia, and Nyctophobia leveraging Google VR SDK and Google Cardboard.

## ADDITIONAL INFORMATION

- Completed the Java programmer Oracle Certification (OCPJP – SE 6) in April 2015.
- Conducted a Java workshop for 75 students in my college covering the Basics of Java in February 2015.