

# Shreya Ramesh

[linkedin](#) | [shreya@bu.edu](mailto:shreya@bu.edu) | [github](#)

## Education

**MS in Computer Science** – Boston University

Sept 2016 – June 2018

- Specialization in Data-Centric Computing

**BA in Computer Science** – Boston University

Sept 2014 – May 2018

- Presidential Scholar

## Experience

**Slack – Software Engineering Intern** – San Francisco, CA

May – Aug 2017

- Developed APIs, controllers, and libraries using PHP/Hacklang.
- Implemented auto-signin on desktop to multiple Slack workspaces via email confirmation.
- Feature development from tech specs to production.

**StratoDem – Software Development Intern** – Boston, MA

Jan – May 2017

- Startup that builds predictive models for local markets.
- Implemented network statistical algorithms and cluster visualization on migration network data using pandas, numpy, sklearn.
- Optimized long-term data versioning for large-scale databases via AWS Glacier.
- Designed validation and documentation for client data API in a Django application.

**TripAdvisor – Software Engineering Intern** – Boston, MA

May – Aug 2016

- Built an internal app used to control production experience for millions of users.
- Implemented backend in Java with a Spring framework, with jooq (ORM) for the database.

**Toshiba – Software Development Intern** – San Jose, CA

Jun – Aug 2015

- Built a system for verifying functionalities of hard drive development via Expect scripts.
- Measured performance using memtier benchmark.

## Projects

**Remote platform for home-based physical therapy**

Jan 2017 - present

- Implemented prototyped platform in Node.js, using C++ SDK to interact with Microsoft Kinect.
- Gamifying exercises to incentivize patients – using WebGL.
- Conducting user study on impact of enhanced visualization for physical therapists and patients.
- A project of BU's Image and Video Computing Group, advised by Dr. Margrit Betke.

**Name classification by ethnicity**

Sept – Dec 2017

- Project for Digaai, a digital platform for Brazilian immigrants.
- Used a Recurrent Neural Network to classify names by ethnicity – particularly distinguishing between names from Brazil and Portugal.
- Developing in Python, using TensorFlow and Keras.

**ADRES: Error coding for treatment of aphasia patients**

Jan – Nov 2016

- A tool for speech therapists to analyze reading and writing errors systematically.
- Implemented NLP Python modules (nltk, word2vect) to determine the degree of relatedness between words.
- Deployed as a Django web application for eventual use by clinicians.
- Published for the conference “54<sup>th</sup> Annual Academy of Aphasia Meeting.”

## Leadership

**Resident Assistant – Kilachand Honors College**

Aug 2017 – present

- Supervising a house of 25 honors college students.
- Organizing monthly events, resolving conflicts, managing administrative tasks.

**DJ for weekly show “Wild Youth” – WTBU Radio**

Feb 2016 – present

- Airing weekly shows, playing and discussing new indie music.
- Training interns on how to use equipment and conduct shows.

**President of Habitat for Humanity, Boston University Chapter**

May 2016 – May 2017

- Maintained chapter's budget and organized weekly service events, club meetings, and fundraisers.
- Coordinated the chapter's annual service trip with Habitat for Humanity International.