

# Chaitya Shah

23 Saint Germain St, Boston, Massachusetts, 02115

☎ 516-734-1777 | ✉ shah.cha@husky.neu.edu | 🌐 chaityacshah | 📄 chaityacshah

## Education

### Northeastern University, Boston, MA

CANDIDATE FOR MASTER OF SCIENCE IN DATA SCIENCE

September 2017 - Present

Expected Graduation: May 2019

- Related Courses : Unsupervised Machine Learning, Data Management and Processing, Algorithms, Introduction to Linear Algebra and Statistics

### Dharmsinh Desai University, Nadiad

BACHELOR OF TECHNOLOGY

July 2013 - May 2017

- Related Courses : Data Structures and Algorithms, Database Management Systems, Knowledge Discovery, Operating Systems, Design and Analysis of Algorithms

## Technical Knowledge

**Specialities** Classification and Clustering, Regression, Dimensionality Reduction

**Programming** Python, R, Shell Scripting, Java, AngularJS

**ML Tools/Frameworks** Tensorflow, Keras, Scikit-Learn, Pandas, Numpy

**Databases** SQL, MySQL, MongoDB

**Certifications** Python for everybody (Coursera), Machine Learning (Coursera), GIT (Udacity)

## Recent Academic Projects

### Portfolio Optimization using Data Science Techniques:

Boston, USA

NORTHEASTERN UNIVERSITY

October 2017 - December 2017

- Constructed APIs to predict the price of a stock based on a company's fundamental data (e.g. EPS, Profit Margin) and a company's stock price data (e.g. open, high, low, close) for a day.
- Utilized different approaches like linear regression, LSTM (gave rmse of \$5 for the predicted Apple stock value) and logistic regression. Used different predictor variables depending on the method used.
- Figured out emotional sentiment around a company using sentiment analysis. R, AWS

### Friend Recommendation App:

Nadiad, India

DHARMSINH DESAI UNIVERSITY

July 2016 - December 2016

- Developed a collaborative filtering algorithm to discover friends with interests (e.g. movies, food) similar to a user's.
- Created an android application to interact with the user- enter interests, view friend details, etc. Python, Java

### Web Scraping System:

Nadiad, India

DHARMSINH DESAI UNIVERSITY

December 2015 - April 2016

- Developed a portal which would notify a user when a particular stock registered by a user hits his/her target price.
- Created cron jobs to keep on monitoring stock markets and notify the user when the target price was met. Python (Flask, BeautifulSoup), CouchDB

## Experience

### Northeastern University

Boston, USA

GRADUATE TEACHING ASSISTANT

January 2018 - May 2018

- Evaluated student projects and provided learning support to students.
- Included coursework: data cleaning, using and creating R packages, data modeling, OOP in R, etc.

### Quicko.com

Ahmedabad, India

SOFTWARE DEVELOPMENT INTERN

December 2016 - April 2017

- Developed 'Tax-Planning' product to assist users in saving income tax by investing in mutual funds. (Java)
- Improved efficiency of Form-16 PDF parser to read different versions of Form-16. (Python; textract)
- Created various email templates and regularly sent mass marketing emails. (AWS; Sendy; HTML)

### Gridle.io

Ahmedabad, India

BUSINESS DEVELOPMENT INTERN

May 2016 - June 2016

- Carried out integration testing of various modules (mainly UI).
- Performed detail Competitor Analysis to discover new features worth incorporating in Gridle.
- Conducted surveys of people using competing products like Asana, Trello, Basecamp, etc.

## Activities & Awards

Dec '17 **Beta Tester, Coursera:**, Used to beta test courses to be launched on Coursera.

Dec '16 **Campus Ambassador, GeeksforGeeks**, Spread awareness about the importance of competitive coding and projects in college. As a result, 15 students started coding regularly.

Nadiad, India

Feb '14 **First Prize, Debugging Competition**, Awarded 1st prize in a Debugging Contest (at Felicific 2014), out of 30 teams.

Nadiad, India