

## AMUL MEHTA

Boston, MA 02120 | 857-707-2838 | mehta.am@husky.neu.edu  
<https://www.linkedin.com/in/amul-mehta> | <http://amul-mehta.github.io>

### EDUCATION

Northeastern University, Boston, MA

**Master of Science in Computer Science**

May 2018

*Related Courses:* Information Retrieval, Program Design Paradigm

Institute of Technology Nirma University (Gujarat), India

**Bachelor's Degree in Computer Engineering**

May 2016

*Related Courses:* Data Structures, Fundamental of Digital Electronics, Web Technologies, Software Engineering

### TECHNICAL KNOWLEDGE

**Languages:** Java, Python, C++, R, Racket, XML, JSON, HTML, CSS, JavaScript  
**Systems:** Windows, Linux, Mac OS  
**Software:** Eclipse, Android Studio, GitHub, Jet Brains Pycharm, Visual Studio  
**Database:** MySQL, SQLite  
**Web Technologies:** Django Framework, AJAX  
**Certifications:** Programming in R (Coursera)

### WORK EXPERIENCE

Seawind Solution, Ahmedabad, India

Jan. – May 2016

**Android Developer Intern**

- Developed a Seller-side Android Application, "Elala.in Seller", for Elala.in Marketplace.
- Collaborated with cross-functional teams to define, design, and implement new features.
- Helped the marketplace to reach a large base of sellers by using the application to its full potential.

IBM India Research Labs, New Delhi, India

Jun. – Aug. 2015

**Research Intern**

- Developed a Sentiment Analysis model for microblogging data, which understands English as well as Hinglish inputs.
- Compiled a dictionary of over 10,000 words including 2,000+ Hinglish words with their associated sentiments.
- Created a web application for it using Django framework which can be used on streaming data of Twitter.
- Learned various new technologies and implemented concepts in a short span of two months.

### INDEPENDENT PROJECTS

**Digit Recognizer, Kaggle.com Problem Set**

Oct. 2016

- Trained a three-layer Artificial Neural Network (ANN) using back propagation technique on handwritten digit images.
- The ANN Achieved an efficiency of 94.6% on test sets

### ACADEMIC PROJECTS

**Information Retrieval Projects, Northeastern University**

Sep. 2016 – Present

- Designed and developed a focused crawler using Java
- Implemented PageRank Algorithm on a set of web documents
- Created Inverted Index of unigram, bigram and trigram index terms for a set of 1000 web documents

**Institute of Technology, Nirma University**

Jul. 2012 – Jun. 2016

- Created a mini compiler for a C style syntax language.
- Programmed an Android Application for simulation of Network Coding Techniques on Butterfly Network.
- Made an Arcade Game similar to Mario Bros. in Python using the Pygame and TMX libraries.
- Developed a Restaurant Management System application using MFC libraries (Visual C++) and MS Access as the backend.

### AWARDS & RECOGNITION

- Received "Keen Learner Award" for providing high quality deliverables at Seawind Solution Pvt. Ltd.

### INTERESTS/ACTIVITIES

- Volunteered and coordinated various events for college clubs like ISTE & ACES.