

# Parth Tandel

linkedin.com/in/parth-tandel-657962a7 | parthtandel.github.io

tandel.p@husky.neu.edu | (617) 792-4006

Available: **May-December 2018**

## EDUCATION

**Northeastern University**, Boston, MA

College of Computer and Information Science

Sept. 2017 – present

*Candidate for a Master of Science in Data Science*

*Expected graduation: Dec. 2019*

Related Courses: Introduction to data management and processing, Supervised Machine Learning, Information Retrieval, Algorithms

**Dhirubhai Ambani Institute of Information and Communication Technology**, Gujarat, India

*Bachelor of Technology in Information and Communication Technology*

May 2016

Related courses: Introduction to Algorithms, Software Engineering, System and Network Security

## TECHNICAL KNOWLEDGE

**Languages :** Python, PHP, JavaScript, C, C++, Java, CSS, html

**Databases :** MySQL, PostgreSQL, MongoDB, PouchDB, CouchDB: Servlet, JSP, ASP.NET, Apache Tomcat,

**Web technologies :** CodeIgniter, Loopback, Django, node.js, Angular.js(v1), Apache, Nginx

**Tools:** Sci-kit learn, Pandas, NumPy, SciPy, R-shiny, Git, Postman, Workbench, photoshop, Arduino, Raspberry PI, Beagle Bone, Slack-API

## WORK EXPERIENCE

**Sublime Data System**, Ahmedabad, India

Team Lead / Full Stack Software Engineer

Feb 2017 – Jul 2017

- Lead and trained a team of 4 developers to handle roles involving full stack development in technologies like PHP, codeigniter, node.js ,python, mongo, MySQL, Angular.js, AWS(ec2, rds), REST, Gearman
- Built and deployed 2 large scale projects involving health sector and social network in a time span of 6 months with the same developers

**Thought(x)**, Mumbai, India

Full Stack Software Engineer

May 2016 - Nov 2016

- Developed a clustering engine system used for clustering live new articles downloaded over a stream of RSS feeds using python , Gensim, spacy, and other NLP libraries with a similarity index of over 0.8 to 0.9
- As a part of the development team also Worked on Angular.Js, Django-Rest framework for website development and displaying the content of those clusters.
- Developed a google chrome extension and Mozilla Firefox plugin using google chrome APIS which is hosted on both chrome store and Mozilla extension website.

**PlexusMD**, Ahmedabad, India

Full Stack Software Engineer

Dec 2015 - Apr 2016

- Worked on the core backend and frontend of the PlexusMD social networking website and app. Used codeigniter, php and MySQL for development
- Build a mass automated mailing system using php scripting and gearman server. Created over 28 emails using HTML5, CSS with dynamic content from php script and then created cron task that runs automatically to call this script. Extended this project to create an automatic certificate mailing system to student who attended conference organised by PlexusMD

## ACADEMIC PROJECTS

**Clustering news article using Topic modeling**

Northeastern University

Sept. 2017 – Dec 2017

- Building a clustering system over RSS feed and then applying Latent Dirichlet allocation and performed visualization to understand the trends and the relationships between different features using r and python.

**Enterprise Search Engine**

DA-IICT

May 2015 –July 2015

- Studied algorithms such a BM25, Cosine Similarity and Td-idf for information retrieval. Found out different ways to improve indexing in a structured SQL database. Worked on Apache Lucene, Apache Solr, Zookeeper to set up a search engine that indexes data on different clusters on different machine over a network

## INTERESTS

Data Science, Data mining, Information Retrieval, Machine learning, Natural language processing, artificial intelligence, Cloud Computing