

Parth Tandel

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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, Unsupervised Machine Learning, Game Artificial Intelligence, 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, Systems and Network Security

TECHNICAL KNOWLEDGE

Languages : Python, PHP, JavaScript, C, C++, Java, CSS, HTML

Databases : MySQL, PostgreSQL, MongoDB, PouchDB, CouchDB

Web technologies : CodeIgniter, LoopBack, Django, Node.js, Angular.js(v1), Apache2, Nginx

Tools: Scikit-learn, Pandas, Gensim, spaCy, NLTK, NumPy, SciPy, Topicmodels, R Shiny, Git, Postman, Workbench, Photoshop, Arduino uno, Raspberry PI, Beagle Bone, Slack-API, Processing-java, Solr, Lucene

WORK EXPERIENCE

Sublime Data System, Ahmedabad, India (Team Lead / Software Engineer)

Feb. 2017 – July 2017

- Led and trained a team of 4 developers to handle roles involving full stack development in technologies like PHP, CodeIgniter, Node.js, Python, MongoDB, 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.

Thought(x), Mumbai, India (Full Stack Software Engineer)

May 2016 - Nov 2016

- Developed a clustering engine system for 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 between clustered articles.
- As a part of the development team worked on Angular.js and 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 and hosted it 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
- Built a mass automated mailing system using PHP scripting and Gearman job 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 for student who attended conference organised by PlexusMD

ACADEMIC PROJECTS

Supervised Classification on news article

Northeastern University

Dec. 2017 – Jan. 2018

- Using tf-idf and count vectorizer, built a classification model for categorizing news articles. Used Sci-kit learn for feature extraction and modeling.

Clustering news article using Topic modeling

Northeastern University

Sept. 2017 – Dec. 2017

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

Stock Falcon – NIFTY stock price prediction

DAIICT

Jan. 2016 – May 2016

- Nifty based prediction portal with stock price predictions. Led the project team and developed an online portal for stock price prediction and maintaining every user's portfolio online.

Enterprise Search Engine

DA-IICT

May 2015 – July 2015

- Studied algorithms such as 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