

## Prathamesh Dharangutte

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### EDUCATION

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#### New York University Tandon School of Engineering

Sept 2019 – May 2021

Master of Science, Computer Science (MS CS), CGPA: 3.67 / 4

*Current Courses:* Machine Learning, Algorithmic machine learning, Big Data

#### Pune Institute of Computer Technology

July 2013 – May 2017

Bachelor of Engineering, Computer Engineering, CGPA: 8.22 / 10

*Relevant Courses:* Design and analysis of algorithms, natural language processing, data mining, operating systems, computer networks and theory of computation.

### EXPERIENCE

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#### Graduate Research Assistant

Sept 2019 – Present

- Researching and developing method to learn graph structure from a subset of random walk-based similarities.

#### Teaching Assistant for the undergraduate course ‘Introduction to Machine Learning’

Spring 2020

#### Software engineer, HSBC Software Development Pvt. Ltd. Pune

Aug 2017 - Nov 2018

- Developed and maintained web application for internal use.
- Restructured the architecture of RTC plugin for scaling purposes.
- Researched and developed chatbot for internal use within teams at the organization.

#### Software engineer intern, Prism IT Solutions Pvt. Ltd.

Dec 2015 – May 2016

- Developed a framework for processing and extracting insights from XML data using apache spark.
- Researched methods and algorithms for determination of emotion in audio to integrate with company’s product.

### PROJECTS

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#### Expressive English TTS system

- Developed a system to identify the emotion in a text and convert it to audio as per the variance in human speech caused by humans emotional state.

#### Twitter sentiment analysis

- Developed a robust system to stream tweets in real time based on keyword and identify the sentiment.

### SKILLS

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**Programming:** Proficient: Python, Java; Learner: BASH scripting, Javascript

**Tools and Frameworks:** Git, Keras, PyTorch, scipy, LATEX, scikit-learn, spring, spring boot.

### ACHIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES

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- Finished in top 3 for state and national competitions for bachelors project.
- Finished in top 3 for Amazon QLearn, a Kaggle in-class challenge by IISC Bangalore.
- Finished in top 1% in India Hacks Machine learning track by Hackerearth.