

PARTH PARIKH

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EDUCATION

Rajiv Gandhi Institute of Technology, Mumbai

2017 - Present

Bachelor in Engineering

Department of Computer Engineering

CGPA - 8.58

PROJECTS

Popup Encyclopedia

May 2019 - Present

A browser extension aimed to provide word meanings on double-clicking a word. Designed it to work fully offline with support for word-lemmatization.

Pizza Delivery Chatbot

March 2019

Conceptualized and developed a parser with support for universals, generic responses, sentiment analysis and curse-word detection. Analyzed customer priority using KNN, hand curated core datasets and added support for various customer-analytics using SQLite.

This project secured a Honourable mention in DBIT hackathon.

Search Engine

July 2018

Designed a web-crawler using Scrapy, performed word refining using NLTK and indexing using an Inverted Index. Added auto-complete feature using Tries and *did you mean* feature by analyzing Levenshtein distance between words. Implemented retrieval and error detection using Flask and ranking using Tf-Idf.

URL Shortening Service

February 2019

Developed a feature rich URL shortener with support for duplicate link verification, auto expiry of URL, custom URLs and spam detection. Designed a spam detection library using mmh3 and bitarrays.

ONGOING PROJECTS

- Researching on **Branch Prediction** and trying to implement a Tournament Branch Predictor for Computer Organization and Architecture Lab.
- **Text-only news** - A progressive-web-app/website to provide news in rural areas. With low request sizes and fast loading time, the site is optimized for low bandwidth connections.

OTHER PROJECTS

- Designed a news-aggregator based toolkit in Django which parsed RSS feed, found breaking news from them (both categorically and non categorically), performed summary scraping and retrieved stocks from BSE, NASDAQ and NSE.
November 2018 - June 2019
- Created an AI based Tic-Tac-Toe game using Minimax algorithm.
February 2018

TECHNICAL SKILLS

Programming Languages

Fluent in C, Python; Familiar with Scheme, Java, Bash

Libraries

Django, Flask, Scrapy, NLTK, Tkinter

Software Skills

SQLite, Octave, Markdown, Git, LATEX, AutoCAD

Web Technologies

Javascript, HTML, CSS