

# PRAFUL PRASAD

## Software Developer

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📍 Trivandrum, India

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## WORK EXPERIENCE

### Software Developer

#### UST Global

07/2018 – 03/2020

Thiruvananthapuram, India

Service based multinational provider of Digital technology dealing with AI and ML.

#### Achievements/Tasks

- Successfully scraped business-critical data from 23000 customer support pdf files that could later be used to resolve customer issues thus eliminating the client's L1 and L2 support costs. Kashgari BiLSTM model was used by training on around 300 hands labeled documents. Received an F1 score of 0.93.
- Implemented identification of custom entities in a chatbot that could be used as a service by third-party APIs. These custom entities include identifying numbers and dates from any text.
- Created multi-intent chatbot using Rasa.ai. These intents could be found out by inserting the various combinations of user intents in Rasa core and then training the model on the same.
- Used customer support audio transcripts to classify the intent and mood of the customer(Sentiment Analysis) and further take action on it based on the intent.
- Maintained and improved company's existing python backend code. Resolved 13 bugs in total and wrote 26 test cases for different modules.
- Worked on Graph databases (Grakn) to provide robust solution to Contract Management System.
- Dockerized multiple applications.

### Intern

#### Nice Software Solutions Pvt. Ltd.

Nagpur, India

11/2017 – 04/2018

#### Achievements/Tasks

- Studied the architecture of importing data into the business intelligence reporting tool "Microstrategy" from sources like Hadoop in addition to conventional sources.
- Created a complete Retail Project using ETL tool Microstrategy that displays 3 different dashboards for Customer, Store and Inventory analysis and Sales data after considering 17 dependent parameters like State, City etc, and 6 independent parameters. These insights could be used by Regional sales manager or customer relationship manager to drive sales.

## SKILLS

### PROGRAMMING LANGUAGES

Python

C++

Java(Beginner)

### TECHNOLOGIES/Frameworks

Machine Learning

Flask (python)

Falcon (python)

Frontend

Docker

Javascript

Elasticsearch

MongoDB

SQL

Grakn (GraohDB)

HTML

CSS

Django

Cakephp

Skill

## PROJECTS

### License Plate Recognition (07/2018 – 09/2018)

- Extracted license plate number from photographed image of the car. OpenCV, otsu binarization and tesseract OCR engine were used for image processing and extracting textual information.
- Github link - <https://github.com/Praful-Prasad/License-Plate-Recognition.git>

### Simple Mp3 player (05/2019)

- The mp3 player was built using tkinter and some other libraries in python to design the GUI as well as to choose the songs and play them.
- Github link - <https://github.com/Praful-Prasad/mp3-player>

### Project Portfolio using Django(11/2019)

- Built an interactive django website containing few projects that I have worked on in the past.
- Website hosted on - [prafulpasad.pythonanywhere.com](http://prafulpasad.pythonanywhere.com)

### Chrome extension - youtube video downloader (06/2020)

- Created and implemented a google chrome extension based on JavaScript that provides a download button beneath every youtube video that gives an option to download the video directly.
- <https://github.com/Praful-Prasad/ChromeExtensionYoutubeDownloader>

## EDUCATION

### Bachelor of Engineering

G. H. Raisoni college of engineering

07/2014 – 05/2018

Computer Science Branch

- 9.14 CGPA

### 12th (HSC)

Delhi Public School

05/2014

- 87.4% (All subjects)

### 10th (SSC)

Welspun Vidya Mandir

06/2012

- 10 CGPA

## HOBBIES/INTERESTS

Karate

Table Tennis

Athletics

Badminton

CODING - Hackerrank