Rajath Shetty

Boston - 617-652-6363 - simplytalk95@gmail.com - website - github - linkedin

OBJECTIVE

Computer Science graduate with 2 years of experience looking for a role in the field of Software

SKILLS

Languages: Python, Java, MySQL, HTML, CSS, Javascript
Skills: Machine Learning, Backend Dev, Scripting, Algorithms
Frameworks: Django,Tensorflow, REST API, Pandas, Scikit
Tools: Git, Unix Command Line

EXPERIENCE

Jeevahealth.ai — *Fall AI Intern* SEPT 2020 - DEC 2020

Building a chatbot using a BERT Model trained on a communication corpus to predict sentiment of the user. It made use of pandas, scikit and nltk libraries.

RoundSqr Inc — *Backend Developer* FEB 2019 - JULY 2019

Solely contributed towards the development of Django views and Django APIs to develop a commercial Android Application. It made use of REST API, Django framework and hosted on AWS. Hosted a Tensorflow based YOLO model in an AWS instance.

Eautomaton Cognitive Services — *Python Developer* SEPT 2017 - SEPT 2018

Worked on building an end to end Machine Learning based Real time Application. It was a Predictive Engine deployed in Hospitals. The backend was built using Django and the front end used HTML,CSS and Javascript. It used machine learning models based on Random Forest algorithm that trained on demographic details as well as factors like weather, location to make predictions. It contributed to an annual revenue of 210,000$ for my startup.

EDUCATION

University Of Massachusetts, Boston — *Masters in Computer Science*
August 2019 - May 2021
Bangalore Institute Of Technology, Bangalore — *Bachelor of Engineering*
June 2013 - July 2017

PROJECTS

Neural Network from Scratch

- Building a Neural Network using just a numpy library to emulate an OR gate
- It is a single layer neural network. Built solely using numpy library.
- Trained using 1000 epochs and sigmoid function is used for activation.
- Takes 3 input signals of either 0 or 1. Weights are randomly initialized.

Sentiment Classifier using Tensorflow

- Classified IMDB comments into positive or negative sentiment using TensorFlow, NLTK and Gensim libraries
- Converted labels into one-hot encoding and used NLTK library to remove stop-words and tokenize words
- Fed tokens to Word2Vec model to convert it into word embedding; used conventional gradient descent for loss function

Make a Deal

- Mini web game built with Javascript that asks user to pick the right door