

# Sashidhar Reddy Duddukunta

Data Science student with interest in NLP,ML. Problem solver and creative thinker. Completed many courses in Data Science and Deep Learning and looking for a position where I can learn, explore and implement using my past experience. Has a good understanding of ML, NLP concepts



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## SKILLS

Python NLP

Machine Learning

Deep Learning

Probability & Statistics

Transformers

Tensorflow Flask

Docker Azure

MySQL

## LANGUAGES

English  
*Professional Working Proficiency*

Telugu  
*Native or Bilingual Proficiency*

Hindi  
*Professional Working Proficiency*

## INTERESTS

Cricket Yoga

## EDUCATION

### B.Tech

Indian Institute of Information Technology Tiruchirappalli

07/2019 - Present

7.6 /10

## WORK EXPERIENCE

### Machine Learning Intern QuantsCase

10/2021 - 11/2021

#### Achievements/Tasks

- Created Dashboard that display graphs of portfolio value. Build a pipeline that Automates Buying & Selling of shares
- Used API's like Yahoo finance to fetch fundamental data, and applied various ML algorithms to predict change in share value for next quarter
- Used Balance Sheet, Income Statements, Cash Flow Statement, etc and created data, given to ML algorithms

### Data Science Intern Celebal Technologies

02/2022 - Present

#### Achievements/Tasks

- Build a NLP model that predicts the Sentiment of a given call transcript and summarize reason for the call.
- Performed EDA and modelling on student, mentor messages. Classified student messages into academic or not. Extracted important topics and business use cases from the data.

## PERSONAL PROJECTS

### End-to-End Summarization (02/2022 - 03/2022)

- T-5 Model is employed to accomplish the task. Trained the T-5 model on news articles dataset. Rouge is used as a evaluation metric. To access model click [here](#)

### Machine Learning Algorithms

- I implemented various Machine Learning algorithms and understood working of each indepth. Using the algorithms I solved regression, classification problems from both supervised and unsupervised learning. I also performed various preprocessing strategies. [Github repo](#)

### Text Generation (05/2021 - 05/2021)

- GPT-2 is largely used for language modelling tasks. I trained GPT-2 model on English dataset. It gave promising results.

### Named Entity Recognition (04/2021 - 05/2021)

- I built a neural network that can recognize entities in a given sentence. Trained Word2Vec embeddings and then passed to LSTM'S to identify entity of a word in sentence.

### Sentiment Analysis (04/2021 - 04/2021)

- I used Bert model to solve the task, where I trained the model on Twitter tweets dataset to classify the tweet as Positive, Neutral and Negative.

## PUBLICATIONS

Leveraging Pretrained Language Models for Multilingual Protest Detection

LINK: <https://aclanthology.org/2021.case-1.13/>