


Sowmya Chaduvula


AI-ML Developer | Computer Vision | NLP

Technology enthusiast in AI-ML with passion in Artificial Intelligence. Excited to develop innovative solutions using Machine Learning for Artificial Intelligence.

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Experience

Accenture Information Technology, Hyderabad,
Senior Analyst software

November 2021 – Present

- Working on CHATBOT with RASA NLU & Python.

PurpleTalk India Pvt Ltd., Hyderabad, Associate Analyst software

November 2020 – October 2021

- Worked on "Label Detection" using MobileNet SSD CNN model.

PurpleTalk India Pvt Ltd., Hyderabad, Trainee software

June 2019 - October 2020

- Worked on **object detection** and **tracking** using (CNN) **MobilenetSSD model** for image and videos for "COVID safety measures instructions" in a single video using **GStreamer**. Implemented a "Neural Q&A Generation" using **seq2seq (RNN)** model which include **LSTM's** as support to handle longertexts.
- Implemented a text and speech based "ChatBot" using **TF-IDF**. Skilled in ML Algorithms, Text Mining, Transformers, Feature Extraction, Object Detection, Classification, Regression and Deep Learning models on large multidimensional and image datasets.

PurpleTalk India Pvt Ltd., Hyderabad, Intern software

December 2018 - May 2019

- Learning and experimented different ML models on different kinds of data.

Education

Lendi Institute of Engineering and Technology, Vizianagaram,
BTech - Computer Science Engineering

June 2015 - May 2019

- Aggregate 85.6%
- Developed an "Ensemble Technique for Hospital Patients medical Tests Time Delay Prediction"

Projects

An ML powered Autocomplete feature

April 2022 - Present

- To Predict what you may write next!
- Using NLP Language Model
- Tried TF-IDF model.
- Looking on better more ways for better results

Skills

Technology

- NLP
- Computer Vision

FrameWorks

- Tensorflow
- Keras

Tools

- VS Code
- Gstreamer
- Grafana

Languages

- Python
- R

Platforms

- Jupyter Notebook
- R Studio
- Influx DB
- GCP
- Azure Notebooks

Research Areas

- Reinforcement Learning

Hobbies

- Research & Browsing
- Innovative Thinking
- Sketching & Painting
- Hand Crafting
- Cooking
- Photography
- Gardening