R V S S VEDAVYAS

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Objective

I'm a 5year expirenced software Engineer, Seeking a challenging role in python development and AI application development where i can utilise my programing skills and analytical abilities to contribute to the development of innovative and efficient solutions.

Experience

- **Space multimedia**   August 8th 2023 - Present
  Sr. Python engineer

- **Ozonetel communications**   May 2018 - July 2023
  Software Engineer
  Working as software engineer in the field of speech,AI using python and machine learning

Education

- **Sreenidhi institute of science and technology**   2018
  B-Tech CSE
  7.0

- **TKR engineering college**   2015
  polytechnic diploma (CME)
  8.4

- **DILSUKNAGAR PUBLIC SCHOOL**   2012
  10th
  8.3

Skills

- Python (Numpy, Pandas, Scikit-learn, Tensorflow, Pytorch, Keras ,Librosa, Scipy, Pyaudioanalysis, etc)
- Nlp (Nltk,Spacy model,Bert model etc)
- Machine learning
- Speech and audio processing
- Databases (Sql server, Mysql, Mongodb, Sqlite)
- FastAPI
- FLASK
- Django
- Redis
- Html
- CSS
- Javascript
- Nginx
- Apache 2
- Aws
- Gcp
- BERT,GPT-3,GAN's

Projects

- **Live speech analytics**
  This is a system is actually a pipe line of various other projects that produces live reports during live calls between various channels of audio in these live reports there are various speech analytics (WPM,emotion of speaker, gender of speaker ,etc) recorded

Role: entire data analytics part to end report generation and dashboard updation
Programming language : Python
Libraries and frameworks : grpc, redis, numpy, scipy, tensorflow, Nginx,GCP

- **Intent detection**

This system is capable of classifing given text into specific intent. We are using several nlp techniques to do this

Role: data preprocessing,model building, testing
Programming language : Python
Libraries and frameworks : pytorch, nltk, apche2

- **Keyword spotting from audio**

This project is capable of identifying a specific spoken keyword from the given audio .

Role: features identification,dsp procedures implementation using python
Programming language : Python
Libraries and frameworks : tensorflow, librosa, scipy, numpy,GCP

- **Automatic machine tone detection**

This system is capable of detecting beep tones,DTMF tones from a given telephony audio

Role: different kinds of beep data generation to building the DL model that can classify different beeps and testing
Programming language : Python
Libraries and frameworks : scikit-learn, scipy, numpy, docker

- **Emotion recognition from telephony audio**

This system is capable of detecting a speaker emotion from given telephone audio

Role:data collection, preprocessing, model building and testing
Programming language : Python
Libraries and frameworks : tensorflow, scipy, numpy, librosa, docker

- **Gender recognition**

This is a system that is capable of detecting a speaker's gender from telephony audio

Role:data collection, preprocessing, model building and testing
Programming language : Python
Libraries and frameworks : tensorflow, scipy, numpy

- **Speaking rate**

This system is capable of Approximation of speaking rate from a spoken telephony audio

Role: implementation of dps techniques, testing
Programming language : Python
Libraries and frameworks :scipy, numpy, docker

- **Customer Service Chatbot Enhancement**

This system capable of generation capabilities to improve the response accuracy and fluency of your existing customer service chatbot. Train the model on past customer interactions and FAQs to generate more natural and helpful responses.

Achievements & Awards

- 3 year gold medalist in polytechnic diploma (2012-2015)

Activities

- Attending technical seminars and conferences. Where i can get exposed to new technologies and products
- Solving programming challenges in hackerrank like websites

Languages

- English
- Telugu
- Hindi

Additional Information

I used to be a mentor for a team of 8 in SNIST robotics club