Parsa Revanth

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech - AI	Indian Institute of Technology Jodhpur	7.44/10	2020 - Present
B.Tech - ECE	Indian Institute of Technology Guwahati	6.92/10	2019
Senior Secondary	Board of Intermediate Education, T.S	97.2%	2015
Secondary	Board of Secondary Education, A.P	9.3/10	2013

Projects

- **Multimodal Knowledge Graph** *Masters Thesis Project (Ongoing)*
  - The objective is to use the multimodal knowledge graph and perform the tasks like link prediction and image captioning
- **Custom NER System Design using LSTM** *Apr'21-May'21*
  - We have built an LSTM based model to predict the named entities in the text documents
- **Sentiment Analysis** *Apr'21-May'21*
  - We have built various models using Bi-LSTM, BERT, and other classical ML techniques like Decision trees, Naive Bayes, and Logistic regression to predict the sentiment
- **Singer Identification from Songs** *Jan'21-Feb'21*
  - The aim of this project is to predict the singer based on his audio sample
  - We used a pre-trained deep CNN model for feature extraction, and XG-Boost is used as the final classifier
- **IoT Energy Modeling** *Bachelor Thesis Project*
  - A model is designed which returns the optimized energy consumption of the devices
  - Every device uses different protocols to access other devices within the network thereby consuming different energies
- **Rangoli Laying Robot** *Jan'18-Apr'18*
  - A Robot is designed which can draw the outlines of the figures and a python program is written in order to convert the Gerber format figure to a scale that is limited by hardware
- **Gender Classification from Speech** *Oct'17-Nov'17*
  - An algorithm is designed to classify the gender from the speech and MFCC's are used to generate a feature vector
  - K means clustering algorithm is used to find the mean of the feature vectors

Technical Skills

- **Programming languages:** C, C++, Python
- **Libraries/Frameworks:** Numpy, Pandas, Pytorch (*Elementary proficiency*)
- **Embedded Boards:** Arduino

Key courses

- Artificial Intelligence
- Computer Vision
- Speech Technology
- MLOps (*To be completed in Nov'21*)
- Natural language Processing
- Pattern Recognition and Machine Learning
- Deep Learning
- Dependable AI (*To be completed in Nov'21*)

Positions of Responsibility

- Executive member of SAIL'17 (Student Alumni Internal Linkage).
- Member of PR and Branding Team in Techniche'15.

Achievements

- Awarded Fellowship for securing 93.2% Percentile in GATE-2020.
- Qualified for the National level in NTSE 2013 among 50,000 candidates.
- Secured 2000 rank in TS EAMCET 2015 among 0.25 million candidates.

Extracurriculars

- Member of the NCC contingent participated on 26th January 2017.