Parsa Revanth

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EDUCATION

Indian Institute of Technology Jodhpur
M.Tech in Artificial Intelligence
2020-2022, CGPA: 7.95

Indian Institute of Technology Guwahati
B.Tech in Electronics and Electrical Engineering
2015-2019, CGPA: 6.92

SKILLS

Languages:
C/C++, Python, R*
Frameworks:
Numpy, Pandas, Pytorch, Keras
Databases:
MySQL
Tools:
Docker*, Git*, Tableau
*Elementary proficiency

COURSEWORK

- Artificial Intelligence
- Natural Language Processing
- Machine Learning
- Deep Learning
- MLOps
- Dependable AI
- Data Visualization
- Data Analytics

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

EXPERIENCE

IIT Jodhpur Sep'20 - May'22
Teaching Assistant

PROJECTS

Multimodal Knowledge Graph Embeddings [GitHub]
The objective of this project is to learn the embeddings of entities and relations in a knowledge graph in-order to do link prediction tasks on the multimodal knowledge graph.

Abstractive Text Summarization [GitHub]
The objective is to summarize the document. We implemented this task by finetuning the existing benchmark model PEGASUS.

Custom NER system design using LSTM [GitHub]
The objective is to identify and predict the named entity in the text corpus.

Sentiment Analysis [GitHub]
The objective is to predict the sentiment of the text using various models like Bi-LSTM, BERT, and other classical ML techniques like Decision trees, Naive Bayes, and Logistic regression.

Social Media Analysis in India [GitHub]
We have analyzed the latest data on the social media usage of Indian users. We explored the current trends of usage of the social media platforms like Facebook, Instagram, and Whatsapp using Tableau.

Regression Analysis on Life Expectancy Dataset [GitHub]
We performed regression analysis on factors influencing the life expectancy dataset.

Markowitz Frontier and Capital Asset Pricing Model [GitHub]
The objective of this project is to use the mean-variance theory and build the Markowitz efficient frontier and use a risk-free asset along with the 10 risky assets to obtain CAPM.

Identifying Name of the Singer from Audio Data [GitHub]
Aim of this project is to predict the singer based on the audio sample.

Rangoli Laying Robot [Github]
We designed a robot which can draw the outlines of the figures. We wrote a python program in order to convert the Gerber format figure to a scale that is limited by hardware.