Nagapranav Chakilam

Iam an AI enthusiast who wanted to learn new things and architecture I worked on Various projects covering all the domain Knowledge text,image ,video and Data processing

GET IN CONTACT

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PERSONAL DETAILS

- Date of Birth Mar 31, 2002
- Gender Male

SKILLS

- Machine Learning
- Natural Language Processing
- Neural Networks
- Digital Image Processing
- C++
- Python
- Data Science
- Html/Css
- Javascript
- Flask

LANGUAGES KNOWN

- Telugu
- Hindi
- English

SOCIAL LINKS

- https://github.com/pranav-tec

EDUCATION HISTORY

Graduation

Course	B.Tech/B.E.(Artificial Intelligence)
College	Mahindra University
Year of Passing	2024

Class XII

Board	Telangana
Medium	English
Year of Passing	2020
Grade	95-99.9%

Class X

Board	Telangana
Medium	English
Year of Passing	2018
Grade	95-99.9%

PROJECTS

Chat Bot, 2 Months

The dataset is a text file with story , question and answer we trained by encoding the story and question by finding similarity to both by dot product those encoded story and question and trained it with the LSTM network and optimizer used was RMSpropagation and binary cross entropy loss

Autotagging Stack Exchange, 4 Days

we used dataset from stack exchange questions where each question is tagged with its concept.that is given question input output is the topic the question is related to .the dataset is in html format using beautiful soup we did scraping and extracted questions and preprocesed it.some questions are tagged with multiple concepts.using multi label binarizer we tranformed tags into dummies.used multinomialNB and logistic regression to train the data and logistic yielded the better results

Yolo-Image-Detection, 4 Weeks

Using CV2 we loaded the yolo config and weights and given an image as an input it extracts scores,confidence and locations and by verifing the condition it is person only then it localizes the person in the image not any other object

Generating MNIST images Using GAN's, 2 Weeks

used two classes discriminator and generator woth loss functions for both the classes and forward functions to calculate the neural network weights with random noise as input to generator and genarated image from generator as input to discriminator the neral architecture is simple ANN and activation functions used are Leaky Relu and sigmoid for discriminator output

Human Activity Recognition, 5 Weeks

this project aims to recognize the action performed by the person in the video bu processing temporal and spatial information. I created a neuran network of convLSTM where input sequence extracted at regular time step from the video is inputed to cnn and the features are sent to LSTM this happens concurrently at all the time steps extracted such a way it passes through 4 CONVLSTM layers and then flatten it then classified

Supervised Approach to Reduction of Deep Network s, 5 Months

In CNN we tried to mask the filters that do not help in improving the accuracy and improve the performance of the network by calculating the entropies of feature maps extracted from each filter. where there is a high entropy there is a high probability of a feature extracted from it

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EXTRA-CURRICULAR ACTIVITY

sonar Blind Stick

We created a sonar blind stick which detects obstacles along the path earlier and helps them prevent from the accidents