Venkata Naga Sai Bharadwaja Edera

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📱 +91-9032363543   🌐 portfolio   in BharadwajaEdera   ○ BharadwajEdera

Education

Indian Institute of Space Science and Technology	**Sep. 2020 – May 2022**
M.Tech. in Machine Learning and Computing - CGPA-9.11	*Thiruvananthapuram, kerala*

GPCET , JNTU Ananthapuramu	**July. 2014 – May 2018**
B.Tech. in Electrical and Electronics Engineering - 84.46%	*Kurnool, A.P*

Experience

Dr APJ Abdul Kalam Missile Complex - RCI - DRDO	**October 2019 – September 2020**
Junior Reserch Fellow(JRF)	*Hyderabad, Telangana*

- Performing and Gathering data from Visual Inspection,Physical Inspection,Burn Test,Chord-Level-Testing,QT,AT
- Preprocessed data for further analysis
- Explored various ML classification algorithms and Ensemble Techniques to predict the Acceptance of a PCB in Servo Controller.
- Developed various models to increase the recall , accuracy .Found the appropriate model , which is able to increase the recall by 6% over existing model

Internship

ML Research Intern at Subex AI Labs	**Sep 2021 – Ongoing**

- Developing an Architecture for Orientation Aware Scene Text Detection.
- Involved in a research , to integrate counterfactual with Variational Autoencoder (like TCVAE , β-VAE)
- Combined Detection (RRPN++) and Recognition (Tesseract) to work as a Spotter.

Research/Academic Intern	**June 2021 – Ongoing**
IIST : *Handling Class Imbalance*	*Thiruvananthapuram, Kerala*

Full Stack Data Science Intern	**Feb 2021 – Ongoing**
ineuron	*Bangalore*

Projects

AutomatedML | *Python,Nosql:Cassandra, AWS , sklearn*	**May 2021**

- ○ CODE   ▶ Demo video Link
- Developed a AutoML model which accepts any Dataset and will result the statitics of different Models and also recommend the best model and download link .
- Cassandra(Nosql) Database is used to load and retrieve the dataset
- Explored various ML Regression ,classification and Clustering Algorithms.

Face Attributes Recognition | *Python,opencv*	**March 2021**

- ○ CODE
- Explored various Image classification algorithms in Computer vision.
- Trained different models for all the different facial attribute recognition.
- Accumulated all the models to together.

Sentiment Analysis on Amazon Fine Food Reviews Data Set | *Python,nltk,gensim models*	**February 2021**

- ○ CODE
- Cleaned and Deduplicated the data.
- Trained own Word2Vec model using gensim text corpus and Tf-idf Word2Vec.
- Explored various ML classification algorithms and Ensemble Techniques to predict the positive or negitive review.

Technical Skills

Languages: Python , SQL , c
DataBases: **SQL :** mySQL , **NoSQL :** mongoDB , cassandra
Technologies/Frameworks: OpenCV, TensorFlow, Keras, Pytorch , nltk , numpy , pandas , matplotlib , seaborn
API with python : Flask(beginner) , Django(beginner)
Cloud Deployment : AWS , GCP , Azure , Heroku