JAGADEESH SANNIBOINA

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Objective:

I am Jagadeesh and my passion for building Machine-Learning solutions has made me pick machine-learning engineering as a career. I am a **Machine Learning Engineer** who has insights into *Deep Learning, Computer Vision, and Natural Language Processing*. To work for an organization that provides me the opportunity to improve my skills and knowledge in Data Science enabling growth for the organization.

Education:

Madanapalle Institute of Technology and Science (CGPA: 8.3/10) — July 2017 — June 2021
B. Tech, Electronics and Communication Engineering — *Madanapalle-AP*

AP Residential Junior College *(APRJC) (97.6%)* — July 2015 — Apr 2017
Intermediate MPC — *VenkataGiri-AP*

Experience:

Carelon — June 2021 — July 2023
Software Engineer — *Bengaluru*

Risk Stratification:

- Build a classification model like (XGBoost, RF, etc..) to tell the patients their risk of the pathology Reports which is comes from AWS s3 Bucket.
- Participating in Data Preprocessing Techniques to make data useful for creating Machine Learning Models and created charts to perform preliminary analysis and visualize data using Matplotlib and Seaborn.
- Expertise in working with noisy data, unbalanced datasets, Model tuning, and Metrics, and Performed Feature Engineering on data using Python libraries like NumPy, and Pandas and analyzed Model Prediction accuracy using Classification reports, Confusion Matrix, and AUC score.
- Designed a workflow template using Kubeflow pipelines to confidently develop datasets and models with unit testing integrating a CI/CD pipeline of bitbucket including a model registry
- Be involved in technology research, and capability building across newer technologies and tools in ML/DL

Recommendation System:

- If any new ticket will come, the resolution time is taking a lot of time. So, we build a similar ticket recommendation system
- We collected all the tickets data features of name, description, summaries, and comments
- Then created a similarity matrix so that if a new ticket comes. They just enter the ticket number, The algorithm will clean, process, and create Matrix with linear kernel/ cosine similarity and fetch the top 10 similar tickets in the entire database

Automation in DevOps:

- I created automation Python code to migrate one environment to another of the CTM folder i.e., DEV to SIT vice versa, etc.
- Generate, modify and pulls require details of the XML file of the Control-M tool by Python and process like web scraping
- we need to fill the color of the Control M folders details in Excel by comparing the old and new files of XML format and need to get text reports by comparing Elastic Scheduling Platform (ESP) text reports, Control-M xml Reports
- we have decreased 50 percent of human efforts in Control M

POCs:

- Be Involved POCs within the Delivery Manager's span
    1. Creating rule Based Chatbot using python
    2. Claims Image classification model of Resnet50 using transfer learning fine tuning method.

Certifications/Additional Courses:

- TCS code vita passed **Aug 2020— Sep 2020**
- Machine Learning Course passed which is conducted by NPTEL **Jan 2020— Mar 2019**
- Introduction to Data Science and NLP in Udemy/ Simplilearn /Coursera an 8-week course.

Technical Skills:

Programming: Python, R(Basic)
Database: SQL, MongoDB
Research Tools and Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras, OpenCV, TensorFlow, Nltk, Flask.
Concepts:

- Machine Learning: *Supervised/unsupervised and ensemble model, EDA, FE, Hyper-parameter tuning, Model metrics.*
- Natural Language Processing: *Word2Vec, Glove, TF and IDF, LLM (BERT, GPT), Transformers and Self-Attention, Transfer Learning.*
- Deep Learning: *ANN, CNN (it's architectures), LSTM, GRU, GAN, NST, Vision Transformer. Transfer Learning, Variational AE, OCR.*
- Computer Vision: *YOLO, Object segmentation, Tracking and detection localization, Data Argumentation, edge detection.*

MLOps (Basic): Git, Bitbucket, Kubeflow.
Visualization Tool: PowerBI (Intermediate)

Projects *Personal:*

Sentiment Analysis Using Hugging Face | NLP *[LINK]* **May 2023 — June 2023**

- We can find whether the sentence is positive or negative by using the pre-trained model from Hugging Face
- I used the transformer pipeline library from hugging face as the pre-trained model and streamlet as the deployment

Image Style Adding| DL *[LINK]* **Apr 2023 — May 2023**

- This project is based on adding our new styles of original images like artists.
- It is based on the deep learning concept i.e., Neural Style Transfer
- I used Streamlit as frontend and TensorFlow hub pre-trained model

Mini Messenger | MongoDB *[LINK]* **Jan 2023 — Feb 2023**

- It acts like a messenger we can transfer any text and links over the site.
- I used Streamlit as frontend and MongoDB as Backend

Login Website | SQL *[LINK]* MongoDB *[LINK]* **Aug 2022 — Sep 2022**

- I have created the sample Login page using Rest API Framework (Flask) and backend as SQL and MongoDB as well.
- I learned the Curd operations on SQL, MongoDB, and Rest API requests like POST, GET, and PUT management.

Laptop Price Predictor:*[LINK]* **May 2022 — Jun 2022**

- Given the training instances extracted from various websites, we predict the price of any laptop by regression problem.
- I learned data preprocessing, Feature Engineering, Model Building, and Model Deployment.

Languages:

- Telugu (Native)
- English

Interests:

Personal Details:

- Father Name : Srinivasulu Sanniboina
- Address (Permanent) : Vedicherla
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