JAGADEESH SANNIBOINA

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Summary:

I am Jagadeesh and my passion for building Machine-Learning solutions has made me pick machine-learning engineering as a career. 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 Global Solutions — June 2021 — July 2023
Software Engineer — *Bengaluru*

Risk Stratification: *(Client: Anthem)*

- Build a classification model like (XGBoost, RF, etc.) to tell the patients their risk of the pathology Reports that come from AWS s3 Bucket.
- Participating in univariate and bivariate analysis to understand the data using Matplotlib and Seaborn.
- Expertise in working with noisy data, unbalanced datasets, and Model tuning, and Performed Feature Engineering on data using Python libraries like Pandas and analyzed Model Prediction accuracy using Classification reports and confusion Matrix.
- Designed a workflow template using Kubeflow pipelines and models with unit testing integrating a CI/CD pipeline of bitbucket including a model registry
- Involving the program and model tastings like Unit, Regression, and A|B Testing.
- Various analytical and marketing tools, which increased the company revenue by 31.2%.
- Be involved in technology research, and capability building across newer technologies and tools in ML/DL

Recommendation System: *(Client: Anthem)*

- Collecting data features from the MongoDB by Pymongo module of Python. and all the code versioning happens via GIT and CI pipeline through Bitbucket
- Then created a similarity matrix so that if a new ticket comes. The algorithm will clean, process, and Matrix with linear kernel/ cosine similarity and fetch the top 10 similar tickets in the entire database
- Cut down manual searching operations by 50%

Automation in DevOps: *(Client: Anthem)*

- Python code to migrate one environment to another of the CTM folder i.e., DEV to SIT and vice versa.
- We need to fill the color of the Control M folder 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 60% 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**

Technical Skills:

Programming: Python, R(Basic), DSA.
Database: SQL, MongoDB, PySpark.
Research Tools and Libraries: Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras, OpenCV, TensorFlow, Nltk, Flask, Boto3.
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*.
- 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 the hugging face 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
- 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.
- Frameworks are Streamlit as frontend and MongoDB as Backend

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

- Developed 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.

Languages:

- Telugu (Native)
- English

Interests:

Personal Details:

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