JAGADEESH SANNIBOINA

User ID: sanniboinajagadeesh@gmail.com +91 8500060896 email Portfolio LinkedIn GitHub

Professional Summary:

I am **Jagadeesh** having **3+** years of professional experience and dedicated professional transitioning into the field of ***Computer Vision***, with a strong foundation in programming, data analysis, and ***machine learning***. Building expertise in image processing, object detection, and DL using Python, OpenCV, and TensorFlow. Eager to apply analytical skills and knowledge to develop innovative solutions in computer vision. I am committed to continuous learning and contributing to advancements in this dynamic field.

Experience:

LTIMindtree **Oct 2023 — Aug 2024**

Product Engineer *Chennai*

Forecast models Implementation: (Client: fosfor)

- Fosfor is a tool that has one of the components *decision-designer* which is having the capability to generate a narrative based upon our question and it will be generate meaningful insights
- Develop the runtime base forecast models like ARIMA-X, VAR & VARMAX, and Neural Network model in order to get the required future values
- Integrate these models in restful Api using fastAPi to get the requests, response, and CICD pipeline via Jenkins
- Creating the orchestration using airflow and maintaining models via docker and Kubernetes pods to increase scaling.

Carelon Global Solutions **June 2021 — July 2023**

Software Engineer *Bengaluru*

Privacy Assignment Using RAG Model: (Client: Anthem)

- Objective: Developed a robust solution for the privacy assignment of LOINC codes to protect sensitive health information.
- Technologies Used: RAG (Retrieval-Augmented Generation) model, SEBERT, BERT model.
- Project Details: Data Collection and Documentation: Gathered comprehensive information on sensitive and privacy-related health categories, including HIV, sexual transmission, substance abuse disorder, drug rehabilitation, abortion
- Created detailed context documents to store the collected information.
- Embedding and Vector Selection: Utilized SEBERT to embed privacy-related information into vector representations.
- Implemented an efficient algorithm to select the top 5 nearest context-related vectors, ensuring high relevance and accuracy.
- Model Integration: Integrated the selected vectors with the BERT model.
- Designed and implemented a mechanism to pass LOINC codes along with the top 5 vectors and a prompt to the model.
- Ensured that the model leverages the context for accurate privacy assignment and categorization.

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

Certifications/Additional Courses:

- TCS code vita passed **Aug 2020— Sep 2020**
- Machine Learning Course passed which is conducted by NPTEL **Jan 2020— Mar 2019**

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*

Technical Skills:

Programming: Python, R(Basic), DSA.
Database: SQL, MongoDB.
Research Tools and Libraries: Pandas, Scikit-Learn, PySpark, Keras, OpenCV, TensorFlow, Nltk, fastAPI, Boto3, Airflow.
Concepts:

- Computer Vision: *YOLO, Object segmentation, Tracking and detection localization, Data Argumentation, edge detection.*
- Deep Learning: *ANN, CNN(it's architectures), RNN, LSTM, GAN, Vision Transformer, Transfer Learning, Variational AE, Diffusion Models*.
- 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.*

MLOps (Basic): Git, Bitbucket, GitLab, Docker, Terraform
Visualization Tool: PowerBI (Intermediate)

Projects *Personal:*

Object detection using Sift features | CV *[LINK]* — May 2024 — June 2024

- Written the code for matching one object into another image or video using sift features

Classification model via Keras| CV *[LINK]* — Aug 2024 — Aug 2024

- The basic classification deep learning model of cat vs dog and seeing the response in real-time via open CV

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

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:

- Address : Vedicherla
  Gudur, Tirupati, AP -524101