






# JAGADEESH SANNIBOINA

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## Professional Summary:

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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:

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 **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 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.

 **Carelion 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, all-mpnet-base-v2, GPT2 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 all-mpnet-base-v2 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 GPT2 model.
- Designed and implemented a mechanism to pass LOINC codes along with the top 5 vectors and a prompt to the model.
- Ensured 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:

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

Education:

<b>Madanapalle Institute of Technology and Science (CGPA: 8.3/10)</b>	<b>July 2017 — June 2021</b>
<i>B. Tech, Electronics and Communication Engineering</i>	<i>Madanapalle-AP</i>
<b>AP Residential Junior College (APRJC) (97.6%)</b>	<b>July 2015 — Apr 2017</b>
<i>Intermediate MPC</i>	<i>VenkataGiri-AP</i>

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 <a href="#">[LINK]</a>	<b>May 2024 — June 2024</b>
<ul style="list-style-type: none"><li>• Written the code for matching one object into another image or video using sift features</li></ul>	
Classification model via Keras  CV <a href="#">[LINK]</a>	<b>Aug 2024 — Aug 2024</b>
<ul style="list-style-type: none"><li>• The basic classification deep learning model of cat vs dog and seeing the response in real-time via open CV</li></ul>	
Sentiment Analysis Using Hugging Face   NLP <a href="#">[LINK]</a>	<b>May 2023 — June 2023</b>
<ul style="list-style-type: none"><li>• We can find whether the sentence is positive or negative by using the pre-trained model from Hugging Face</li><li>• I used the transformer pipeline library from the hugging face model and streamlet as the deployment</li></ul>	
Image Style Adding  DL <a href="#">[LINK]</a>	<b>Apr 2023 — May 2023</b>
<ul style="list-style-type: none"><li>• This project is based on adding our new styles of original images like artists.</li><li>• It is based on the deep learning concept i.e., Neural Style Transfer</li><li>• Streamlit as frontend and TensorFlow hub pre-trained model</li></ul>	
Login Website   SQL <a href="#">[LINK]</a> MongoDB <a href="#">[LINK]</a>	<b>Aug 2022 — Sep 2022</b>
<ul style="list-style-type: none"><li>• Developed the sample Login page using Rest API Framework (Flask) and backend as SQL and MongoDB as well.</li><li>• I learned the Curd operations on SQL, MongoDB, and Rest API requests like POST, GET, and PUT management.</li></ul>	

Languages:

- Telugu (Native)
- English

Interests:



Personal Details:

- Address : Vedicherla  
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