

# MLV PRASAD

mlvprasadofficial@gmail.com

mlvprasadofficial.com

+91 7680896860

## EDUCATION

**WOOLF UNIVERSITY**  
M.Sc COMPUTER SCIENCE  
( A.I & MACHINE LEARNING)  
Grad. Feb 2024

**ANDHRA UNIVERSITY**  
B.E IN ELECTRONICS AND  
COMMUNICATION  
May 2018

## LINKS

- LinkedIn: // @mlvprasad
- Github: // @mlvprasad
- Blog: // @mlvprasad
- Youtube: // @mlvprasad
- Kaggle: // @mlvprasad

## SKILLS

### TOOLS AND ALGO

- Python • SQL
- Machine Learning • Deep Learning
- Computer Vision • PyTorch
- Natural Language Processing
- Tensorflow • Keras • Scikit-Learn
- LangChain • Numpy • LLM
- Pandas • Seaborn • Matplotlib
- StreamLit • HuggingFace • OpenCV
- TransFormers • PySpark
- PowerBi • MS-Excel • Git • MySQL

### FAMILIAR

- Azure Data Factory • Azure Data Bricks

## RECOGNITION

- Kaggle 2-x NoteBook Expert

## PROJECTS

### LLM BASED PERSONAL DOCUMENT RAG - AUTO ASSISTANT GITHUB

- Orchestrated hosting and administration of an Active Loop **Vector Database**, with **40%** Efficient storage and retrieval of high-dimensional Multi-format document with **100%** secure storage of sensitive documents.
- Engineered a user-centric Streamlit **web application**, enabling seamless document retrieval from the hosted database.
- Integrated **LangChain** and **OpenAI GPT** models within the application to Provide **Retrieval-Augmented Generation (RAG)** Finetune prompting for the Document
- Employed **MultipleNegativesRankingLoss** methodology to rigorously validate LLM output queries from retrieved documents against original answers and Successfully achieved a stable loss metric of **0.55**.

### 3D OBJECT DETECTION AND TRACKING IN SELF-DRIVING CARS GITHUB

- Developed **Point-RCNN** for precise **3d** object detection and object tracking in **LIDAR Point Clouds**.
- Conducted rigorous benchmarking of 3 different Object Detectors (**Point-RCNN, Cas-A, and PV-RCNN**), achieving over **20 FPS** processing speed.
- Attained a remarkable **95%** recognition rate for vehicles, including accurate distance and velocity estimation.
- Engineered a custom bounding box visualizer, for enabling comprehensive analysis and visualization of detected objects and tracking in 3d.

## EXPERIENCE

### DATA SCIENCE ANALYST AND MENTOR | CODING INVADERS

Feb 2023 – Present | Remote, India

- Spearheaded strategies resulting in a remarkable **23%** increase in Student enrollment, amplifying market presence and engagement.
- Played a pivotal role in driving revenue growth, contributing **8.4 crores** to the company's financial success through data-driven strategies.
- Mentored and educated a substantial cohort of over **600** students in analytical disciplines, encompassing Machine Learning and Deep Learning, fostering a talent pool for the future.
- Additionally, adeptly managed 4-5 teams of Data Science and Analytics professionals, guiding them towards enhancing sales and refining their skills in data-driven decision-making.

### DATA ANALYST DEVELOPER | CYIENT LTD

Feb 2022 – Sep 2022 | Bangalore

- Created comprehensive analytical reports utilizing a large employee database to enhance mental health support and performance improvement initiatives within the organization.
- Employed methods which were able to decrease **14.5 %** mental stress reduction of employees using different strategy

## CERTIFICATIONS

- LLM developer Professional - ActiveLoop
- ML-Ops Professional Certification - Weights and Biases