

NARRA VENKATA RAGHU CHARAN

+91 99480 75663 | narravenkataraghucharan03@gmail.com | [portfolio](#) | [github](#) | [linkedin](#)

OBJECTIVE

Data Engineer with hands-on experience in end to end Machine Learning projects, seeking full-time machine learning or data science related roles.

EDUCATION

GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING
B.Tech in Computer Science of Engineering - Data Science

Visakhapatnam, India.
2020-2024

WORK EXPERIENCE

FRESHBUS

Data Engineer

Hyderabad, India.
Sep-2024 - Present.

- Developed an automated customer service bot by building a RAG Agent which is trained on custom data.
- Led Marketing Intelligence which involved the expansion of the organization's fleet.
- Developed data pipelines for efficient data cleaning and optimizing the data retrieval.

MOVEINSYNC

Machine Learning & Data Science Intern

Bangalore, India.
April 2024 – Aug 2024.

- Developed facial recognition for Shuttle using FastAPI, fine tuned face recognition algos and AWS.
- Led magical attendance feature in shuttle which led to better improvement in shuttle service.
- Developed an end to end Attendance Markup service using facial recognition server that did automated attendance marking instantly.

RESEARCH INTERNSHIP, [IIT Madras](#).

May 2024 – June 2024

Machine Learning Intern

- Researched about [AIHWKIT](#) and developed CNN model on MNIST dataset without traditional PyTorch, Keras, Tensorflow Implementation using Aihwkit Neural Network modules
- Got 98% Accuracy on MNIST dataset with different devices in aihwkit with different configurations.

PROJECTS

CHICKEN DISEASE PREDICTION:

Built a tool to search for Predicting Chicken Disease by using Python, MLFlow, AWS and GitHub Actions. This is fully implemented end to end as an industry level project. [link](#)

SYNTHETIC IMAGE GENERATION USING GAN's:

This project aims to generate synthetic chest X-ray images using conditional Generative Adversarial Networks (cGANs) and further improve the accuracy of pneumonia detection using these generated images. [link](#)

SIGNATURE VERIFICATION PORTAL:

This project aimed to detect forged signatures using the DTW algorithm. The user will be provided with a dashboard to register and check the signature authenticity and results will be displayed there itself. [link](#)

SKILLS

- **Programming Languages:** C, C++, Python, Java, R(basics)
- **Web Technologies:** HTML, CSS, Flask, FastAPI, MongoDB, Javascript, API's
- **Frameworks and Tools:** Git, Docker, Google Cloud, AWS, Android Studio, Streamlit, Jupyter, Windows, Linux(Ubuntu), Android, OpenCV, LLM's, Computer Vision, Weka, Data Science, EDA
- **Databases:** MySQL, MongoDB, Annoy, Voyager
- **Soft Skills:** Leadership, Hard Working, Communication, Problem Solving, Analytical Thinking.

CERTIFICATIONS

[Google Cloud Career Practitioner](#) [AWS Cloud Foundations](#) [Python-HackerRank](#) [Android with Kotlin](#)

VOLUNTEERING

Mentor at [Girl Script Summer of Code'24](#), Core Member at [GDG-Vizag](#), Ex-DevOps Lead at [GDSC GVP](#)