

# NARRA VENKATA RAGHU CHARAN

Bangalore, India | [narravenkataraghucharan03@gmail.com](mailto:narravenkataraghucharan03@gmail.com) | [portfolio](#) | [Github](#)

## OBJECTIVE

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

## EDUCATION

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

Visakhapatnam, India.  
2020-2024

## WORK EXPERIENCE

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### [MOVEINSYNC](#)

Bangalore, India.

Machine Learning & Data Science Intern

April 2024 – Present

- 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.

### AICTE INTERNSHIP

July 2023 – Sept 2023

- Developed a comprehensive end-to-end machine learning project, demonstrating expertise in the entire project.
- Gained hands-on experience with AWS services, including Amazon Lex, Amazon Rekognition, and AWS SageMaker.
- Acquired in-depth knowledge of AWS services and their applications in machine learning, with a focus on building, training, and deploying machine learning models.

## PROJECTS

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### 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

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- 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

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

## VOLUNTEERING

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