

# Kanna Sai Manikanta Kuna

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## Summary

Self-driven Data Science graduate with hands-on experience in machine learning, research-based modeling, and analytics. Skilled in building predictive systems, conducting experimental evaluation, and visualizing insights for both business and academic applications.

## Skills

- **Languages:** Python, R, SQL, Java
- **Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Langchain
- **Techniques:** EDA, Model Evaluation, Feature Engineering, Classification, NLP, Computer Vision
- **Visualization:** Power BI, Tableau, Seaborn, Matplotlib
- **Tools:** Git, Jupyter, Google Colab, VS Code

## Experience

### AI Engineer Intern – Languify

May 2024 – Aug 2024

- Built an Automatic Speech Recognition (ASR) system for educational audio transcription.
- Trained deep learning models on diverse speech data and optimized accuracy with noise-robust preprocessing.
- Collaborated with data science mentors on evaluation reports for real-time deployment.

## Education

### Dhanalakshmi Srinivasan University, Trichy

B.Tech in Artificial Intelligence and Data Science

CGPA: 7.89

May 2025

## Projects

### Face Recognition Attendance System

Python, OpenCV, Firebase

- Developed a real-time attendance system using face recognition and live camera input.
- Implemented face encoding, detection, and recognition using face\_recognition and OpenCV libraries.
- Integrated Firebase to store timestamped attendance logs in the cloud.
- Demonstrated as major academic project with working prototype and documentation.

### Heart Disease Risk Prediction

Python, Scikit-learn

- Built classification models (Logistic Regression, Random Forest) to predict heart disease from clinical data.
- Used data preprocessing and feature selection to improve model performance by 18%.
- Generated visual insights from EDA and presented findings in academic-style reports.

### Crop Production Analysis in India

Python, Pandas, Power BI

- Analyzed multi-year agricultural datasets to identify seasonal trends and crop yield patterns.
- Visualized geographic and temporal insights using Power BI dashboards and Seaborn plots.

## Certifications

Data Analysis with Python – IBM

Machine Learning & AI – PrepInsta

AI Bootcamp on Prompt Engineering – NoviTech R&D Pvt. Ltd

Generative AI Copilot – LinkedIn