

Uday Kiran Golla

+91 8019850174 | udaykiran.golla28@gmail.com | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

B.Tech (AI & ML) graduate (2025) with hands-on experience building end-to-end ML pipelines, deep learning systems, and NLP applications. Skilled in Python, TensorFlow, Scikit-learn, SQL, and Streamlit. Seeking roles in Data Science or ML Engineering.

EDUCATION

JNTU Hyderabad – UCE Manthani | B.Tech in Computer Science (AI & ML) | Peddapalli, Telangana | Aug 2021 – May 2025

TECHNICAL SKILLS

Languages: Python, SQL

Deep Learning: TensorFlow, Keras, CNN, RNN, Neural Networks, Dropout, Regularization

ML & Data Science: Scikit-learn, Linear/Logistic Regression, Decision Tree, Random Forest, SVM, KNN, K-Means, PCA, Boosting, Bagging, Stacking

NLP: Text Preprocessing, Tokenization, Word Embeddings, Transformer Architecture, RAG Pipelines, Groq API (LLaMA3)

Data Analysis: Pandas, NumPy, EDA, Feature Engineering, Statistical Analysis, Excel

ML Concepts: Cross-Validation, Bias-Variance Tradeoff, Class Imbalance Handling, Model Evaluation (Accuracy, Precision, Recall, F1, RMSE, MSE)

Visualization & Tools: Matplotlib, Streamlit, MySQL, Git, GitHub, Jupyter Notebook, VS Code

WORK EXPERIENCE

Graduate Engineer Trainee (IT) – Tata Consultancy Services (TCS iON) July 2025 – Feb 2026

- Completed 6-month industry training in Python and data-driven development; applied SDLC, Agile, and Git across multiple project modules.
- Collaborated in team-based projects to design and deliver data processing workflows within structured development cycles.

PROJECTS

Smart Maize Disease Detection System | Python, TensorFlow, Keras, CNN, Streamlit

- Designed and evaluated CNN architectures on a 16-class crop disease dataset; applied balanced class weights and early stopping to improve generalization.
- Generated per-class reports (confusion matrix, precision, recall, F1) and launched a multilingual Streamlit app.

AI-Driven Sales Forecasting & Decision Intelligence Platform | Python, Scikit-learn, Streamlit

- Engineered an end-to-end ML pipeline for sales forecasting on 30,000+ records with lag features, rolling statistics, and seasonality decomposition.
- Benchmarked multiple models achieving $R^2 \sim 0.70$; built an interactive Streamlit dashboard with real-time KPIs reducing manual analysis effort by ~60%.

RAG-Based QA Pipeline | Python, Groq API (LLaMA3), Vector Store

- Built a complete RAG pipeline with a vector store for dense embeddings and Groq API (llama3-8b-8192) for context-aware answer generation.
- Implemented semantic search over document chunks enabling accurate, grounded responses across an end-to-end NLP pipeline.

CERTIFICATIONS & ACHIEVEMENTS

- TCS iON Graduate Engineer Trainee Certificate – Tata Consultancy Services (2025)
- Shipped 3 end-to-end ML/DL/NLP applications | Evaluated CNN architectures on real agricultural data | Processed records in production ML pipeline