

Dandu Yeshwanth

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EDUCATION

Institute of Aeronautical Engineering, Hyderabad, India
B.Tech in Computer Science and Engineering (Data Science)

Expected Graduation: April 2026
GPA: 7.93/10

J N Govt. Polytechnic, Hyderabad
Diploma in Electrical and Electronics Engineering

Apr 2023
GPA: 8.41/10

Krishnaveni High School, Peddapalli
SSC

March 2020
GPA: 10.0/10

TECHNICAL SKILLS

Programming & CS Foundations: Python (OOP, Data Structures), SQL, Algorithms

Machine Learning: Classification, Regression, Model Evaluation, Feature Engineering, Ensemble Methods

Deep Learning & Generative AI: Neural Networks, CNNs, Transfer Learning, Large Language Models (LLMs), RAG

AI Systems & Deployment: FastAPI, REST APIs, Vector Databases, Docker, Cloud Deployment (Hugging Face Spaces, AWS)

Frameworks & Libraries: Scikit-learn, TensorFlow, PyTorch, LangChain, LlamaIndex, Flask, Git

WORK EXPERIENCE

Makri Solutions Private Limited, Hyderabad | *Data Analysis Intern*

- Analyzed large-scale public health datasets covering 21M+ individuals and 4.32M households, improving structured data readiness by 30%.
- Identified 12+ high-risk districts using IMR, MMR, and TFR statistical trend analysis, supporting state-level health monitoring decisions.
- Developed interactive Power BI dashboards and implemented validation workflows, reducing reporting time by 40% and improving data consistency by 18%.

PROJECTS

AI-Powered Portfolio with RAG Chat System

- Engineered an end-to-end Retrieval-Augmented Generation (RAG) system using LangChain, FAISS, and Llama-3 to enable real-time, context-aware recruiter interaction.
- Designed a scalable FastAPI backend deployed on Hugging Face Spaces, integrating vector search with Groq-powered LLM inference for low-latency response generation.
- Built and deployed a full-stack application with a JavaScript frontend on Vercel, implementing modular client-server architecture and Docker-based containerization.

MLOps Movie Recommendation System

- Built end-to-end ML pipeline integrating data ingestion, preprocessing, feature engineering, and experiment tracking using Python and MongoDB.
- Developed TF-IDF based content similarity model achieving 81% genre precision across 1500+ movie records.
- Deployed RESTful inference APIs using Flask with AWS-based artifact storage, enabling scalable and reproducible model serving.

CERTIFICATIONS

GenAI Powered Data Analytics Job Simulation – Forage

LLM Engineering: Master AI, Large Language Models & Agents – Udemy

E-PORTFOLIOS

- Portfolio:** <https://dandu-yeshwanth1809-portfolio.vercel.app/> — Projects, skills, and technical challenges.
- GitHub:** github.com/YeshwanthDandu180903 — Code repositories showcasing machine learning, deep learning, and deployment projects.

ACHIEVEMENTS

Tech Savishkaar 3.0 Hackathon

Jan 2025

- Cleared the competitive coding round.
- Presented *Plant Pal* — a location-aware plant care app providing temperature-based growth insights and personalized recommendations.