

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: Python, SQL, Java (Basic)
Frontend: HTML, CSS, JavaScript (Basic)
Backend & APIs: Flask, REST API Integration
DevOps & Cloud: Docker, AWS, Vercel
Tools: Git, VS Code, Jupyter Notebook, Anaconda

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 | Live Link

- Engineered and deployed an end-to-end full-stack web application using JavaScript and REST APIs, developing a FastAPI-based backend integrated over HTTPS to enable real-time recruiter interaction.
- Improved information retrieval accuracy by implementing embedding-based semantic search with FAISS vector indexing in Python, reducing irrelevant responses compared to traditional keyword matching.
- Architected a modular client-server system and containerized the FastAPI service using Docker, deploying a scalable, low-latency AI application on cloud platforms.

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.