

# Dandu Yeshwanth

yeshwanthdandu2003@gmail.com | +91 9346121267 | Github : YeshwanthDandu180903 | LinkedIn : yeshwanthdandu

## EDUCATION

<b>Institute of Aeronautical Engineering, Hyderabad, India</b> B.Tech in Computer Science and Engineering (Data Science)	<i>Expected Graduation: April 2026</i> GPA: 7.93/10
<b>J N Govt. Polytechnic, Hyderabad</b> Diploma in Electrical and Electronics Engineering	Apr 2023 GPA: 8.41/10
<b>Krishnaveni High School, Peddapalli</b> 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](https://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.