Dandu Yeshwanth

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EDUCATION

Institute of Aeronautical Engineering, Hyderabad, India — *Expected Graduation: April 2026*
B.Tech in Computer Science and Engineering (Data Science) — GPA: 7.93/10

J N Govt. Polytechnic, Hyderabad — Apr 2023
Diploma in Electrical and Electronics Engineering — GPA: 8.41/10

Krishnaveni High School, Peddapalli — March 2020
SSC — GPA: 10.0/10

TECHNICAL SKILLS

Programming & CS Foundations: Python (OOP, Data Structures), SQL, Algorithms
Machine Learning: Classification, Regression, Clustering, Model Selection, Feature Engineering, Model Evaluation
Deep Learning: Neural Networks, Transfer Learning
Model Development & Deployment: End-to-End ML Lifecycle , REST APIs ,Docker,AWS
Frameworks Scikit-learn, TensorFlow, PyTorch, Flask, FastAPI,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

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.

Brain Tumor Multi-Class Classification (Deep Learning)

- Developed 4-class MRI classification model using EfficientNet-B2 and transfer learning, achieving 98% test accuracy on 7,000+ medical images.
- Applied staged fine-tuning, augmentation, and regularization strategies, improving generalization performance by 22%.
- Built production-ready inference pipeline generating diagnostic probability scores and structured PDF reports via Flask deployment.

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.