DHARANI BUDDI

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EDUCATION

Chigurupati Sri Krishnaveni School — Vijayawada, Andhra Pradesh
Secondary School, Percentage:56% — *Graduated, July 2020*

SR Junior College — Vijayawada, Andhra Pradesh
Intermediate MPC, 62% — *Graduated, June 2022*

NRI Institute of Technology — Agiripalli, Andhra Pradesh
B.Tech(CSE)(8.8/10) — *Excepted, May 2026*

EXPERIENCE

Hackathon Participant | NRIIT 24-Hour AI Hackathon

Vijayawada | September 2023

- Developed a Convolutional Neural Network (CNN) model for waste management, aiming to automate the identification and sorting of recyclable materials.
- Worked collaboratively with a team to collect and preprocess data, train the CNN model, and evaluate its performance in real-time waste sorting.
- Contributed to the development of an AI solution that could help optimize waste management processes and promote sustainability.

AI Workshop | BITS Pilani

Hyderabad | September 2025 – July 2025

- Gained hands-on experience with AI and machine learning techniques, including supervised and unsupervised learning, neural networks, and data science tools.
- Applied AI solutions to real-world problems using Python and TensorFlow.
- Worked in a team to develop and deploy AI-based systems to address various challenges.

CERTIFICATIONS

- Introduction to Python by Infosys – Springboard
- Basics of Python by Infosys – Springboard
- Artificial Intelligence by BITS Pilani
- Introduction to Natural Language Processing by Great Learning
- Python (Basic) by HackerRank

PROJECTS

AI-Powered Waste Management Assistant

- Developed a **CNN model** to classify plastic waste images, enhancing recycling processes.
- Applied **data preprocessing, augmentation**, and **hyperparameter tuning** to improve the model's accuracy and overall performance.
- Deployed the solution for **real-time classification** and version-controlled the project using **Git**.
- **Technologies Used**: Python, TensorFlow, Keras, OpenCV, Data Augmentation, Hyperparameter Tuning, CNN, Image Classification

TECHNICAL SKILLS

Languages: Python, HTML.

Technologies:AI,Cloud Computing
Developer Tools: GitHub, VS Code, Jupyter Notebook