

KALPANA PALUSA

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PROFILE SUMMARY

A motivated and results-oriented professional with a solid technical background and a passion for continuous learning. Experienced in developing innovative solutions to address complex challenges and drive organizational success. Highly adaptable, detail-oriented, and dedicated to ongoing professional growth while aligning with company goals and values. Seeking a challenging position in a progressive organization to contribute meaningfully and gain valuable experience.

EDUCATION DETAILS

Vidya Jyothi Institute of Technology	2020-2024
B. Tech (Artificial Intelligence)	8.28 CGPA

PROJECT

Smart Umbrella with Lightning Detection using IOT

- Developed an IoT-based system using Arduino Uno for real-time lightning detection and thunder impact mitigation, featuring an automatic umbrella mechanism triggered by a rain sensor.
- Integrated a lightning detection sensor with the IoT platform (Bolt Cloud) to enable real-time data transmission and analysis.
- Designed and implemented a grounding system to safely neutralize thunder impacts and enhance user safety.

Sports Celebrity Image Classifier

- Developed a Sports Celebrity Image Classifier using Python 3.8, employing OpenCV for face/eye detection, Wavelet Transform for feature extraction, and Numpy for data preprocessing, achieving 84.15% accuracy with Logistic Regression.
- Deployed the classifier with a user-friendly interface using HTML, CSS, and JavaScript, powered by a Flask backend for serving the model via an HTTP server.

TECHNICAL SKILLS

Programming Languages :	Python
Technologies :	Html, CSS
Database :	SQL
Tools :	Git Hub, Git, Vs Code
Other Skills :	Machine Learning

SOFT SKILLS

Time Management
Multi Tasking
Adaptability
Communication Skills
Team Work
Problem Solving