**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