Professional Experience & Project Summary

Name: Manasi S Byali

Education : B.E(Computer Science Engineering)

Training & Professional Experience (1.5 Years)

Completed one and a half years of intensive training and professional experience in full stack development, machine learning, and AI-driven systems. Worked on real-time projects involving data processing, cloud deployment, and scalable web application development.

Core Training Projects

- Car Accident Detection System using Python, YOLOv5, and ML for real-time accident prediction.
- Examination Cheating Detection System using computer vision techniques.
- Facial Spoofing Detection System to improve online assessment security.
- LGC Engineering Website Development – responsive and scalable web solution.

Professional Projects

- Climate Change Prediction – ML pipeline using Decision Tree, Random Forest, Gradient Boost, AutoML, and data visualization.
- Lung Classification – YOLOv7-based X-ray image classification for COVID-19 and pneumonia detection.
- Web Messenger Application – Real-time messaging platform using Django, SQL, HTML, CSS, and JavaScript.
- School Management System – MERN stack learning portal with authentication and secure data handling.
- Phishing Website Detection – ML-based phishing URL detection with ensemble models and Flask integration.
- IMTMA Vendor Management System – MERN stack application for vendor registration and event management.
- AI WhatsApp Chatbot – Integrated Wikipedia and OpenAI API for real-time intelligent responses.
- Exhibition Floor Planning System – Digital tool for optimized booth allocation and space utilization.
- Designed and developed the *Environi* website with a focus on clean layout, user-friendly navigation, and responsive design.

Professional Summary

This combined training and project experience strengthened my expertise in Python, MERN stack, Vue.js, machine learning, cloud computing, and CI/CD workflows. As the CEO of Kraft IQ, I leverage this technical foundation to lead innovation, deliver scalable solutions, and guide teams toward impactful technology outcomes.