MAHADIYA MAHEEN K F

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Exclusive Summary

I am a passionate AI/ML Engineer with solid experience in machine learning and deep learning.Through hackathons, research projects, and internships, I've gained hands-on experience in solving real-world problems with practical solutions. Proficient in collaboration and effective communication, I merge technical knowledge with an analytical mind to build meaningful, intelligent applications. A firm believer in lifelong learning, I stay updated with the latest AI developments and aim to contribute to cutting-edge, socially impactful technology projects.

Education

R.M.D Engineering College , B.Tech(AIML)
MAY 2023 - MAY 2027

Skills & Intrests

Technical Skills: Web Development , Database , SQL , PHP , C programming , Java Programming , C++ programming , UI/UX , Machine Learning , Data science .

Language: English , Tamil , Urdu , Hindi

Projects

Orchard Guard [Software] - AI Integrated drone and IoT Framework for Leaf Disease Detection.Real-time Chatbot integration.

InVisiVoice [Software] - A platform that helps hearing-impaired students learn their syllabus through AI-powered voice-to-sign language translation.Real-time chatbot integration .

Skin Disease Detection[Software] - Developed a machine learning model for skin disease detection. An user friendly Web Application.

Automated Car Parking Management System [Hardware] - An Arduino-based smart parking system that uses real-time sensor detection , slot booking, and smoke alerts to improve safety and space management.

Participation

Smart India Hackathon

- Developed a machine learning-based plant disease detection system in a two-round national-level competition
- Built a full-stack website using React.js, Flask, and MongoDB to collect and analyze plant disease data

- Implemented a robust ML model using TensorFlow and OpenCV for accurate disease classification

- Showcased the application of AI-driven solutions to real-world agricultural challenges at scale.

Intelligent Urban Parking Infrastructure and Technology Enhancement [Secured 2nd Place]

- Arduino- Based System: Uses Arduino UNO as the central controller for the entire parking system.

- Smoke Detection for Safety: Uses an MQ2 gas sensor to detect smoke/fire in the parking area and triggers a buzzer alert.

- IR Sensors for Real-Time Detection: Detects vehicle presence in each parking slot instantly and updates availability status.

- Improved Urban Parking: Enhances parking convenience, safety, and efficient use of space in cities.

- Web-Based Slot Booking: Allows users to reserve parking slots online before arrival.

SSN Vortex Hackathon

- Developed an AI-driven learning platform featuring animated ISL videos via DeepMotion.ai for engaging visual learning

- Integrated a 3D ISL avatar and interactive lessons to simplify Math and Science concepts for hearing - impaired students.

- Added a Chatbase-powered chatbot to assist with real-time syllabus-related queries.

- Implemented secure user authentication with MongoBD for login , signup and password recovery.

Certifications

Artificial Intelligence Primer(Infosys springboard)

Principles of Generative AI(Infosys springboard)

AndroipApp development (Internshala)

Google Analytics (Google)

Generative AI (LinkedIn)

Solution Architecture (AWS)

Database with python (Udemy)

Business Etiquette (TCS ion)

Computer Networks and Internet Protocol (NPTEL)

Enhancing Soft Skills and Personality (NPTEL)