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 , App development , Machine Learning , Data science , VFX

**Language:** English , Tamil , Hindi , Urdu

**Projects**

**Orchard Guard [Software] -** Integrated AI and IoT Framework for Leaf Disease Detection

**InVisiVoice [Software] -** Aplatform that helps hearing-impaired students learn their HHIIsyllabus through AI-powered voice-to-sign language translation

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

**Participation**

**Smart India Hackathon**

l Developed a machine learning-based plant disease detection system in a two-round national-level competition

l Built a full-stack website using React.js, Flask, and MongoDB to collect and analyze plant disease data

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

l 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) :[certificate](https://drive.google.com/file/d/103vRKDys4-w771tNXZ7yjXZysG0T05Nd/view?usp=sharing)**

**Principles of Generative AI(Infosys springboard) : [certificate](https://drive.google.com/file/d/1ZnTBk3_-ty64QDWKO26R0iwTE-O2pS4w/view?usp=sharing) Enhancing Soft Skills and Personality (NPTEL) :**

**AndroipApp development (Internshala) : [certificate](https://drive.google.com/file/d/10_J-yz4AcUPNVdKbRDpbOya4A6a66uAF/view?usp=sharing)**

**Google Analytics (Google) : [certificate](https://drive.google.com/file/d/1Bp-ZvucwLTmP2x0syHCuCaDHoS2FDH_e/view?usp=sharing)**

**Generative AI ( LinkedIn) : [certificate](https://drive.google.com/file/d/1RoOFbmh3-hWxOHQ-xNdcNyidJipU6Thl/view?usp=sharing)**

**Solution Architecture (AWS) : [certificate](https://drive.google.com/file/d/1hWtifN_v3BokKOJJ7Wsjxvkr7-rEKiE_/view?usp=sharing)**

**Database with python (Udemy) : [certificate](https://drive.google.com/file/d/1CWDJExGkWDWFy6X6Hw1Tix7Elm9ZRCwW/view?usp=sharing)**

**Business Etiquette (TCS ion) :**