

# INAYAT RAHIM

Applied AI Developer | BS Artificial Intelligence

MLSA Official 📍 Islamabad, Pakistan

✉️ [inayatrahim006@gmail.com](mailto:inayatrahim006@gmail.com)

📞 +92-316-5800166

🔗 GitHub: <https://github.com/inayatrahimdev/>

🔗 LinkedIn: <https://www.linkedin.com/in/inayat-rahim-b0655b29b/>

## 🎯 OBJECTIVE:

To build real-time, product-focused AI solutions that solve impactful challenges in Computer Vision, Speech, and Multimodal systems using a strong foundation in core AI disciplines.

## 🎓 EDUCATION:

BS Artificial Intelligence, SZABIST University, Islamabad 2023 – 2027 (4th Semester) |

CGPA: 3.64/4.00

**Core Courses:** DSA, Design & Analysis of Algorithms, Deep Learning, ANN, Transformers, Probability & Statistics, Linear Algebra, Discrete Math, Differential Equations

## 🧠 SKILLS & TOOLS AI Focus:

- **AI Focus:** Computer Vision, Speech & Audio AI, Multimodal Systems.
- **Core Models:** YOLO (v5–v8), Vision Transformer (ViT), CLIP, Whisper, Wav2Vec 2.0
- **Languages/Frameworks:** Python, PyTorch, TensorFlow, OpenCV, Streamlit
- **Concepts:** Fine-Tuning, Quantization, Data Annotation, Embeddings, Inference Monitoring.
- **Tools:** Git, GitHub | **Hardware:** Arduino, IoT.

## 🔧 PROJECTS EXPERIENCE:

- 1) **Plant Disease Detection using Google ViT:** Trained Vision Transformer on PlantVillage dataset to classify plant diseases with 85%+ high accuracy.
- 2) **Real-Time Object Tracking:** Used Deep SORT and OpenCV with YOLOv5 for tracking multiple objects in real-time. Added face recognition with DeepFace.
- 3) **Weather-App:** Real-Time Interactive weather forecast application built using Streamlit and OpenWeatherMap API.
- 4) **Remote Controlled Arduino Car:** Designed and programmed an Arduino-based remote control car using motor driver, sensors, and wireless communication.
- 5) **IoT Water Quality Monitoring System:** Developed an IoT-based system for real-time water quality monitoring, measuring parameters like pH, turbidity, and temperature, with cloud-based analysis and alert.

### **INTERNSHIP:**

**Python Intern, Digital Empowerment Network (May–June 2024):** Developed optimized Python code for AI workflows, reducing data pipeline runtime by 15% through automation and preprocessing enhancements.

**Machine Learning Intern, ARCH Technology (Feb-Mar 2025):** Built and fine-tuned CNN, RNN, LSTM, and Transformer models using PyTorch, improving model accuracy by 10% for real-world applications. Preprocessed datasets and collaborated on performance optimization.

### **COMMUNITY & LEADERSHIP:**

**Microsoft Learn Student Ambassador (MLSA)** — Official Member mentoring students in AI and cloud technologies.

**Alumni:** Hope to Skills AI Advanced Program.

**Introduction to Deep Learning** (2024, MIT)

**Active Participant:** Active in developer sessions, events, conferences & Microsoft AI Competitions & hackathons.

**Reference:** Available upon request.