

MUHAMMAD ILYAS

CONTACT

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SKILLS

- Languages:**
Python, JavaScript, HTML, CSS
- Programming & Development:**
Python, Flask, Streamlit, NumPy, Pandas.
- AI & Machine Learning:**
scikit-learn, TensorFlow, NLP, OpenCV, GenAI, Prompt Engineering.
- Tools:**
Git, GitHub, VS Code, Jupyter, Colab, MySQL, OpenCV
- Soft Skills:**
Problem Solving, Debugging, Teamwork, Collaboration, Communication, Adaptability, Creative Thinking.

EDUCATION

- BS Artificial intelligence**
Superior university Lahore
2023 - Present
- Intermediate in Computer Science**
Govt Post Graduate College Layyah
2022



PROFILE

AI undergraduate with hands-on experience in building intelligent systems using Python, Flask, Streamlit, and GenAI. Passionate about solving real-world problems through ML, NLP, and OpenCV applications. Adept at building full-stack solutions, integrating APIs, and rapidly prototyping AI assistants and web tools.



WORK EXPERIENCE

- Prodigy InfoTech** FEB 2025 - MAR 2025 (REMOTE)
Machine Learning Intern
 - Worked on supervised learning tasks using Python and scikit-learn.
 - Built basic ML models for classification and regression problems.
 - Gained exposure to real-world model evaluation and deployment.
- Rhombix Technologies** Nov 2024 - Jan 2025 (Remote)
Python Programming Intern
 - Developed utility scripts and tools using Python.
 - Built custom projects including a Voice Assistant with Emotion Detection and Hand Gesture Recognition.
 - Applied OOP, OpenCV, and integrated Flask for web-based AI tools.
- CodeX Intern** Jul 2024 (Remote)
Python Developer Intern
 - Focused on Python backend logic and simple web app structures.
 - Created Python-based automation scripts and backend APIs.
 - Strengthened understanding of modular coding and debugging practices.

MY PROJECTS

- TASKBUDDY - AI ASSISTANT (FLASK + GPT)**
Personal productivity assistant with voice input, reminders, chat, and GPT-powered task planning. Integrated Twilio for SMS alerts.
- SMART RECIPE GENERATOR (GENAI + FLASK UI)**
Uses GenAI to suggest halal recipes from given ingredients using LLaMA API. Includes user auth and modern frontend.
- FAKE NEWS DETECTOR (ML + NLP)**
Classifies news articles as fake or real using logistic regression and NLP preprocessing.
- AI QUIZ GENERATOR (LLAMA + FLASK)**
Generates quizzes from user prompts using GenAI. Includes modern web interface.
- FACEBOOK SENTIMENT ANALYZER (STREAMLIT APP)**
Analyzes and visualizes Facebook comment sentiment using trained ML models.
- FOOD RECOGNITION & CALORIE ESTIMATION APP**
Flask-based web application that uses deep learning (CNN) to recognize food items from images and estimate their calorie content.
- HAND GESTURE RECOGNITION**
A real-time hand gesture recognition system using Support Vector Machine (SVM) and OpenCV.