Muhammad Hammad

Python Programmer

Phone : 0313 0993701 / 03331028010

Email : hm746765@gmail.com

LinkedIn :linkedin.com/-hammad-yousafzai

GitHub : github.com/Mafia-Deadend

Languages : English, Urdu , Pushto

Professional Summary

Dedicated Python Programmer and Multimedia Specialist with expertise in AI-based projects, Database, and application development. Proficient in building AI systems, computer vision applications. Passionate about using programming and design to innovate and solve real-world problems, with strong skills in Python.

Education

Bachelor of Science in Computer Science

University Of Peshawar | 2020 - 2024

Technical Skills

Programming:

- Python
- Flutter
- Dart
- Kotlin

Python Libraries & Frameworks:

AI and Machine Learning:

OpenCV, TensorFlow, YOLO, PyTorch, Whisper, Hugging Face, Librosa, Transformers, ONNX, Google Cloud Text-to-speech, Kaggle.

Database in SQL Alchemy,

Automation in Pyautogui , **User Interface** in Tkinter,

Encryption and decryption in Pycryptodomex, Cryptograhy,

Data Science in Numpy, Pandas, Matplotlib,

- **Web Development**: HTML, CSS, CSS, Bootstrap, **Python** : Flask, DJANGO

Additional Skills :

Ai Websites and tools Knowledge Mobile Application Development : Flutter + Dart Language

Graphic Design & Video Editing: Adobe Photoshop, Premiere Pro, After Effects, Wondershare Filmora, Canva

---

Technical Projects

AI-Based Quran Recitation Recognition

- Developed a research-backed project using Python for voice recognition of Quranic recitations, incorporating AI and machine learning algorithms.

Computer Vision Projects

- **Face Detection & Gesture Control**: Implemented face detection using OpenCV's Haar cascades.
- **Object Detection**: Used YOLO for real-time crowd detection from CCTV using DMSS and OBS Studio.
- **Workshops Presented**: Conducted workshops on CNN, GNN, and OpenCV fundamentals, including crowd and object detection techniques.

Data Analysis

- Conducted cryptographic performance analysis, comparing encryption and decryption methods through data visualization with Matplotlib, Numpy, and Pandas.

Automation and Mini Projects

- **PyGUI Automation**: Developed automation workflows and created games like Tic Tac Toe and Lucky Guess.

Flutter Projects

Quran Recitation & Memorization App

- Developed an offline Quran app in Flutter with real-time TFLite-based voice recognition, enabling madrasa students to practice recitation without internet. Features include a 'Hifz' mode that hides text, revealing verses as recited to support memorization.

Islamic Calendar & Masnoon Duas App

- Created an Islamic utility app that provides a Hijri calendar with custom colour themes and a collection of Masnoon duas.

- Integrated UI components to ensure ease of navigation and accessibility, enhancing the user experience.

Notes Taking App

- Designed a straightforward notes-taking app with functionality for organizing and categorizing notes.

- Employed a clean UI for efficient note management, allowing users to quickly add, edit, and delete entries.

Calculator App

- Built a user-friendly calculator app with essential arithmetic operations and a visually appealing layout.

- Focused on responsive design to ensure compatibility across different screen sizes.