



## Yasir Ahmad Malik

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### ABOUT ME

I am an aspiring AI engineer with a strong interest in artificial intelligence, machine learning, and software development. I hold a **bachelor's degree in IT** and am currently pursuing an **MS in artificial intelligence**, with hands-on experience in Python and computer vision projects. I am highly motivated to develop my skills and research abilities under expert supervision.

### WORK EXPERIENCE

**Tech Flairz** – Lahore , Pakistan

Website: <https://techflairz.com/> | Email address: [info@techflairz.com](mailto:info@techflairz.com) | Name of unit or department: Tech Flairz

#### Intern AI Enineer

[ 01/07/2025 – Current ]

**Flutterxperts** – Islamabad, Pakistan

Website: [flutterxperts.com](https://flutterxperts.com) | Email address: [info@flutterxperts.com](mailto:info@flutterxperts.com) | Name of unit or department: Flutter Xperts App Development Agency

#### Application developer

[ 01/10/2022 – 01/09/2023 ]

### EDUCATION AND TRAINING

#### MS (Artificial Intelligence )

**Univeristy of Engineering & Technology Lahore Pakistan** [ 04/09/2023 – Current ]

City: Lahore | Country: Pakistan | Website: <https://www.uet.edu.pk/home/>

#### BS Information Technology

**Ghazi University DG Khan Pakistan** [ 22/09/2018 – 22/09/2022 ]

City: DG Khan | Country: Pakistan | Website: <https://www.gudgk.edu.pk/>

#### Intermediate

**Punjab College** [ 10/08/2016 – 12/09/2018 ]

City: Taunsa Sharif | Country: Pakistan

#### Matric

**New Garrison Public Higher Secondary School** [ 10/07/2014 – 20/07/2016 ]

City: Taunsa Sharif | Country: Pakistan

## LANGUAGE SKILLS

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**Mother tongue(s):** Urdu

**Other language(s):**

**English**

**LISTENING** B2 **READING** C1 **WRITING** C2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## PROJECTS

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[ 03/01/2022 – 03/12/2022 ]

**Cab Booking Android Application (Final Year Project) 2022** I developed a Cab Booking Android application using Flutter as a software developer, where I was responsible for the full development cycle, including requirement gathering, design, development, testing, and deployment. A user-friendly cross-platform app that allows users to book rides, track drivers in real-time, and manage trip history seamlessly.

**Tools and Languages:**

- Flutter, Dart, Firebase, Google Maps.
- Android Studio, Xcode.

[ 01/07/2025 – 01/01/2026 ]

**Smyl App** Developed an AI-powered relationship support assistant using a Retrieval-Augmented Generation (RAG) architecture to deliver personalized, context-aware, and empathetic responses. Built a scalable FastAPI backend integrating GPT-4 with a FAISS vector database, MySQL data, and semantic search for tailored insights and recommendations.

**Tools and Languages:**

- Python
- FastAPI
- OpenAI GPT-4 API
- Vector Database
- MySQL
- Pandas, NumPy

[ 10/09/2023 – 18/12/2023 ]

**Sign Languages Recognition System (2023)** In this project, we work on a sign language recognition (SLR) system using Python. For feature extraction, our system uses a convolutional neural network (CNN), and for sequential classification, it uses an LSTM network. From sign language frames, the CNN extracts spatial information, while the LSTM records the temporal connections between frames. We demonstrate the usefulness of our deep learning strategy for SLR with a 95% accuracy rate on a benchmark SLR dataset.

**Tools and Languages:**

- Python
- Open CV, Scikit-learn and TensorFlow

**Finger Count Detection** A hand tracking system that uses computer vision to detect hand landmarks and count the number of raised fingers in real-time.

**Tools and Languages:**

- Python
- OpenCV, Scikit-learn, and TensorFlow

**Real-Time Emotion Detection** A live video processing application that detects and displays facial expressions instantly using a webcam feed.

**Tools and Languages:**

- Python
- OpenCV, Scikit-learn, and TensorFlow

**Object Detection** A computer vision system capable of detecting and classifying multiple objects in real-time video streams using deep learning models. Write here the description.

**Tools and Languages:**

- Python
- OpenCV, Scikit-learn, and TensorFlow

## TECHNICAL SKILLS

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### Software Skill

MS Office | Microsoft Project | Android Studio | Visual Studio Code | Anaconda | TensorFlow |

### Programming Skills

Python | Artificial Intelligence | Machine Learning | Data Analysis | Data Preprocessing | HTML | CSS | Flutter Dart | JavaScript |

## COURSES/CERTIFICATES

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### Python for Data Science, AI & Development

Link: <https://coursera.org/share/577c9bcf07459df260d54cce8f09469f>

### Exploratory Data Analysis for Machine Learning

Link: <https://coursera.org/share/da793f5eca72609dbc3d7c67b8c5d202>

### Machine Learning Algorithms

Link: <https://coursera.org/share/de1a0b7442c05ec686057c3e95a17f7b>

[ 01/01/2025 – 10/06/2025 ]

### Machine Learning & AI and Data Science

Link: <https://portal.ehunar.org>