

Ghulam Mustafa Software Engineer

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Career Objective

Passionate ML & Flutter developer skilled in deploying real-world AI systems and crafting scalable cross-platform apps. Proven ability to integrate deep learning with clean mobile UIs using TensorFlow and Firebase. Eager to solve meaningful problems in tech with a growth mindset.

Skills

Flutter Developer Flutter, Dart, Firebase, REST APIs, State Management	Machine Learning & AI TensorFlow, CNN, LSTM, MediaPipe, OpenCV, LightGBM, SVM, EfficientNet
Tools & APIs Git, Github, VS Code, Firebase Console, Flask, Google Earth Engine API	Programming Languages Python, C++, Dart, HTML, CSS, JavaScript
WordPress & SEO	English Spoken skill

Projects

- Soil Care Tech – AI-Based Soil Health Monitoring System (Final Year Project),**
Technologies: Python, TensorFlow, Flask, Google Earth Engine API, Flutter, Firebase ✍
- Developed an AI system for soil health analysis using Landsat 9 imagery, Google Earth Engine API, and machine learning models (CNN, EfficientNet, LightGBM, SVM).
 - Designed a Flutter app with Firebase integration for user interaction and data storage.
- Expense Tracker App, Technologies: Flutter, Dart, Firebase** ✍
- Developed a cross-platform mobile app for expense tracking.
 - Implemented Firebase Authentication for secure login and Firestore for real-time data storage.

Professional Experience

- Artificial Intelligence Intern, CodeClause** 03/2025 – 04/2025
- Developed AI tools including a speech recognition system, facial emotion detector (CNN, TensorFlow), and legal document summarizer (NLP with spaCy and Transformers).
 - Built a resume-based personality prediction tool using ML classification models.
- Wordpress Development and SEO, Meta Achiever's** 07/2023 – 08/2023
- Developed high-performance, responsive WordPress websites, implementing SEO best practices to improve visibility and search engine rankings.

Education

- BS Computer Science,** 2021 – 2025
University of Engineering and Technology Lahore

Certificates

- The Complete Flutter Development Bootcamp** — Online course on Udemy
- Machine Learning, Data Science & Generative AI with Python** — Online course on Udemy