

MUBASHAR ALI

AI Engineer | Computer Vision Specialist | Deep Learning Enthusiast | Mobile App Developer

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ISLAMABAD, PAKISTAN

Summary

AI-powered Mobile App Developer specializing in machine learning, computer vision and automation. Proven ability to design and deliver optimized cross-platform Flutter applications that integrate state-of-the-art AI models for production and RD.

Experience

• Junior AI Engineer

HighFive Electronics (July 2024 – Feb 2025)

- **Face Disease Detection** — Designed a YOLOv8-based model achieving 92% accuracy on clinical datasets for real-time facial disease detection.
- **Fake News Detection** — Developed a BERT-based fake news detection system, enhancing NLP and model fine-tuning skills.
- **Customer Segmentation** — Implemented K-means clustering to segment customers into behavioral groups, optimizing targeted marketing strategies.

• Junior Computer Vision Engineer

Dione, Rawalpindi (Jan 2024 – Jun 2024)

- **Object Detection & OCR** — Developed and fine-tuned YOLO-based object detection and OCR models on custom datasets, improving detection accuracy and OCR reliability.
- **Vehicle Data Extraction** — Implemented a license-plate recognition system to extract vehicle data and track truck entry/exit points across multiple cameras.
- **Sentiment Analysis** — Implemented a transformer-based deep learning model for sentiment analysis using Python and modern deep-learning frameworks.

Education

Bachelor's in Artificial Intelligence

Arid Agriculture University (July 2025)

Skills

- **Programming:** Python, Java, C++
- **Frameworks:** PyTorch, TensorFlow, Keras
- **Computer Vision:** Detection, Tracking, Segmentation
- **NLP:** LLMs, RAG Systems
- **API Dev:** RESTful APIs
- **Tools:** Jupyter, Colab, Matplotlib
- **Database:** SQL, FAISS
- **Mobile:** Flutter

Projects

• Gesture-Based Cricket Coaching System

GitHub: [Repo](#)

- **Pose Estimation** — Used Flutter and MediaPipe to capture and analyze player body landmarks in real time.
- **Feedback Mechanism** — Integrated visual feedback to highlight incorrect postures for corrective guidance.
- **Backend Integration** — Developed Flask APIs for angle validation and performance tracking.

Certifications

- **AI Workshop** — BIIT
- **Bridging Mathematics and CS** — BIIT
- **Designing AI Chatbot** — BIIT
- **AI Training Session** — BIIT