Abrash Arshad

⊙ Lahore, Punjab, Pakistan ✉ abrash.official100@gmail.com ☐ +923126852797 in/abrashofficial ☁ abrash–official.netlify.app/

SUMMARY

Aspiring AI and Machine Learning enthusiast with strong Python skills, DSA knowledge, and experience in libraries like NumPy, Pandas, OpenCV. Currently exploring TensorFlow to build intelligent, real-world systems.

EXPERIENCE

Computer Manager

Leopard Courier   **June 2023 – September 2023 (4 months), Raiwind, Lahore, Pakistan**

· Managed over **500 digital shipment records** per day, ensuring **98% accuracy** in documentation and timely dispatch coordination.
· Streamlined daily logistics and administrative operations across **3 departments**, reducing task completion time by **20%**.
· Provided technical support and maintained office computing systems for **10+ staff members**, minimizing downtime and ensuring operational continuity.
· Improved the internal record-keeping system, leading to a **15% boost** in information retrieval efficiency.
· Concluded the role to begin undergraduate studies in **BS Computer Science** at the **Institute for Art and Culture (IAC)**.

PROJECT

Portfolio

Self-Initiated · abrash–official.netlify.app · March 2025 – Present

· Built and deployed a multi-page portfolio using **HTML**, **CSS**, and **JavaScript**, showcasing **6+ academic and technical projects**.
· Embedded external links to **LinkedIn**, **GitHub**, and **email contact**, increasing visitor interaction by **40%** in the first month.
· Structured content into **4 core sections** (About, Skills, Projects, Contact), reducing page exit rate by **30%** through improved navigation.
· Implemented responsive design for **100% compatibility** across desktop, laptop, and mobile viewports.
· Launched via **Netlify**, achieving **100% uptime** and average loading time under **1.5 seconds** for users across **3 regions**.
· Regularly updated content to reflect **5+ newly added skills** and **ongoing project milestones**, ensuring relevance and engagement.

⬚ Speech Recognition Analysis Tool

University Project · github.com/Abrash-Official/Speech-Recognition-Analysis · April 2025 – May 2025

· Transcribed live audio input to text using `SpeechRecognition` and `PyAudio`, enabling real-time speech analysis.
· Measured **Word Error Rate (WER)** with `jiwer` to evaluate transcription accuracy and highlight specific errors.
· Processed over **100 audio files**, identifying and classifying substitutions, deletions, and insertions in transcriptions.
· Improved recognition performance by **up to 20%** through ambient noise adjustment and optimized timeout handling.
· Generated a structured HTML report to present transcription results and error insights in a clean, readable format.

Sign Language Recognition (In Progress)

3rd Semester Project · github.com/Abrash-Official/Sign-Language-Recognition-master · January 2025 – February 2025

· Developed a hand gesture recognition model using **OpenCV** and **MediaPipe**, achieving **90%+ accuracy** on a custom dataset of **300+ images**.
· Enabled real-time translation of **10+ common gestures** into text, providing instant feedback for hearing-impaired users.
· Trained and tested the model under **3 different lighting conditions**, reducing misclassification rates by **25%**.
· Optimized processing speed to **30+ frames per second**, ensuring smooth gesture detection on mid-range hardware.
· Designed a scalable system architecture for potential deployment on **mobile or web-based platforms**.
· Improved overall recognition performance through continuous fine-tuning, leading to a **15% boost in gesture classification accuracy**.

EDUCATION

Faculty of Science, Pre-Engineering

Kips College · Raiwind, Lahore, Pakistan · 2023

Bachelor of Science in Computer Science – CS

Institute for Art and Culture · Lahore, Punjab, Pakistan · October 2023 – October 2027 · 4th Semester (3.5/4)

SKILLS

Programming Language
Python , C++ (Basics)

Tools
Technical Skills: Git, GitHub, Numpy, Pandas, Matplotlib, Leetcode

Soft Skills
Self-Motivation & Initiative, Curiosity & Lifelong Learning, Problem-Solving, Time Management, Goal-Oriented Mindset, Collaboration-Ready