Arbab Abdul Basit

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SUMMARY

Motivated and detail-oriented Computer Science student passionate about Machine Learning, Data Science, and Computer Vision. Experienced in Python programming and hands-on Al development through individual and collaborative projects. Eager to apply technical skills, analytical thinking, and creativity in a professional internship environment.

EDUCATION

BS in Computer Science
FAST National University of Computer and Emerging Sciences
Peshawar, Pakistan
Expected Graduation: April 2026

SKILLS

Programming Languages
Python, C++, HTML, CSS, Bootstrap

Tools
Jupyter Notebook, VS Code, PyCharm, GitHub

Libraries & Frameworks
NumPy, Pandas, Matplotlib, OpenCV, TensorFlow, Scikit-learn

PROJECTS

YOLO Object Detection
Developed a custom object detection model using YOLOv8 to identify multiple objects in real time. Utilized Roboflow for dataset labeling and preprocessing, and optimized model performance for accuracy and speed using OpenCV integration.
Technologies: Python, YOLOv8, OpenCV, Roboflow

Student Placement Prediction System
Designed a predictive model to estimate student placement chances based on academic and skill factors. Implemented Logistic Regression for binary classification and enhanced accuracy through data cleaning and feature engineering.
Technologies: Python, Scikit-learn, Pandas, NumPy

Harry Potter Invisibility Cloak
Implemented a real-time computer vision project inspired by the Harry Potter invisibility cloak. Used color masking and background subtraction to make a selected object (the cloak) appear invisible during live video streaming.
Technologies: Python, OpenCV, NumPy

Global Weather Data Analysis (2014-2015)
Performed weather trend analysis across Pakistan, China, Iran, and the USA. Created a custom dataset from RapidAPI and visualized temperature and humidity variations to uncover global climate insights.
Technologies: Python, Pandas, Matplotlib, RapidAPI

CNN Emotion Detector (Group Project)
Collaborated on building a Convolutional Neural Network (CNN) to classify human emotions from facial expressions. Worked on dataset preprocessing and model training using TensorFlow and OpenCV to achieve robust accuracy.
Technologies: Python, TensorFlow, OpenCV, NumPy

Fake News Detector (Group Project)
Contributed to developing an NLP-based fake news detection system. Assisted in text preprocessing, feature extraction, and model evaluation using Scikit-learn, achieving reliable text classification accuracy.
Technologies: Python, Pandas, Scikit-learn

LANGUAGES

English ●●○○○

Urdu ●●●●○

Pushto ●●●●●

ADDITIONAL INFORMATION

- Strong interest in Machine Learning, Al, and Data Analytics
- Open to internships and AI/ML research opportunities
- Excellent teamwork, problem-solving, and analytical skills
- Always eager to learn new technologies and contribute to impactful projects

CERTIFICATES

- AI & Machine Learning Bootcamp – GIKI (July–August 2025)
- Machine Learning – Coursera (Andrew Ng)