**Hassam Ahmad**

**ML/DL Engineer**

hassamahmad.dev@gmail.com | +923158218212 | Lahore, Pakistan

**SUMMARY**

Skilled ML/DL Engineer with a strong background in computer vision, NLP, and time series analysis. Proven ability to collaborate, adapt quickly, and deliver high-quality, user-aligned work. Seeking an innovative and collaborative team to leverage my ML/DL skills.

**SKILLS**

* **Technical:** C++, Python (NumPy, Pandas, TensorFlow, PyTorch), scikit-learn.
* **Machine Learning:** Classification, Regression, Dimensionality Reduction.
* **Deep Learning:** Building & optimizing CNNs, RNNs, LSTM, GAN, EXAI.
* **Soft Skills:** Problem-Solving, Communication, Collaboration, Adaptability, Time Management.

**PROJECTS**

**3D Virtual Assistant**

* Objective: Create a 3D virtual assistant with Blender.
* Capabilities: Managing files, Browser, Real Time data fetching, Alarms, calculations, Read the news
* Technology Used: Python, Machine Learning, NLP, Blender, Modular approach for expanding functionality
* Features:
  + Customizable 3D virtual assistant.
  + Manage notifications and command executions

**EDA – Terrorism**

* Objective: Analyze global terrorism data.
* Dataset: Global Terrorism Database (GTDB).
* Tools and Libraries: Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tableau
* Analysis Focus:
  + Uncover patterns and trends
  + Identify attack hotspots
  + Understand the impact of incidents over time
* Key Insights:
  + Visualization of complex data
  + Detection of significant trends and patterns

**VB Control with Hand Gestures**

* Objective: Adjust volume and brightness using hand gestures.
* Input: Webcam for capturing hand gestures.
* Technology: Python, Computer vision techniques with the Mediapipe library.
* Gesture Control:
  + Detect hand landmarks
  + Interpret gestures for volume and brightness adjustment
* Features:
  + Real-time visual feedback on the screen
  + Efficient and responsive interaction
  + User-friendly control through natural hand movements

**CERTIFICATIONS**

* Azure Microsoft AI 900
* HCAI-AI

**EDUCATION**

Bachelors of Computer Science

Lahore Garrison University

**PORTFOLIO LINKS**

**GitHub:** https://github.com/Venomous000

**LinkedIn:** https://www.linkedin.com/in/venomous/