

Hassam Ahmad

ML/DL Engineer

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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/>