GHULAM MOHI UD DIN

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ABOUT ME

As a driven and innovative Artificial Intelligence student, I am passionate about harnessing the power of AI to drive positive social impact and contribute to a more equitable society. With a strong foundation in programming, AI frameworks, computer vision, IoT, and NLP, I am seeking an internship to apply my skills and knowledge in a real-world setting. My objective is to secure a role that allows me to utilize my technical expertise to develop innovative solutions that address social and environmental challenges, and contribute to a more sustainable and inclusive future.

WORK EXPERIENCE

01/03/2023 – 01/05/2023 Lahore, Pakistan
CONCIOUS CHATBOT GHULAM MOHI UD DIN

- Integrated AIML, Python, Prolog, and Neo4j to create a conversational AI web base ChatBot using Flask.
- Semantic memory
- Epesodic memory
- Social networking
- Sensory memory
- Associated memory

01/03/2024 – 31/03/2024 Lahore, Pakistan
WEAPON DETECTION GHULAM MOHI UD DIN

- Trained YOLO v5 and v8
- Try to manage alarm system
- Using webCam and speaker of laptop
- When model detect anyone with gun then a vice generated and alarm the user

05/04/2024 – 30/04/2024 Lahore, Pakistan
CONCEALED WEAPON DETECTION GHULAM MOHI UD DIN

- Dataset preprocessing
- Traning and evaluation of trained model on thermal dataset contains on person with gun conceal under the clothes.
- Dataset containes on two classes

10/05/2024 – 16/05/2024 Lahore
SENTIMENT ANALYSIS GHULAM MOHI UD DIN

- Sentiment analysis from text
- Predict emotion
- Either use happy , sad , panic e.t.c

08/07/2023 – 10/08/2023 Lahore, Pakistan
HOME AUTOMATION ASSISTANT GHULAM MOHI UD DIN

- Developed ChatBot using Flask
- Integration of Esp32 using Thonny
- Relay to control current and appliances
- User chatting with ChatBot

- Can command it, then request sent to ESP32
- ESP32 manage on/off appliances
- ESP32 pass signal to relay

10/05/2024 – CURRENT Lahore, Pakistan
EMPATHY EMOTIONAL CHATBOT GHULAM MOHI UD DIN

- Empathy Emotional ChatBot designed for controlling user emotions
- Guidin the user how to control
- Detect the user emotion using sentiment analysis and Facial Expressions Recognition
- Generate a reply according to the situation of user
- Technologies are using LangChain and RAGs.

17/05/2024 – CURRENT Lahore
FACIAL EXPRESSIONS RECOGNITION GHULAM MOHI UD DIN

- Recognize the state of user
- What are the expressions on the face of user
- Datasets are FER+ and AffectNet

EDUCATION AND TRAINING

01/05/2019 – 01/06/2021 Lahore, Pakistan
FSC PRE-ENGINEERING Govt Islamia College Civil Liines , Lahore

Website https://www.giccl.edu.pk/

01/09/2021 – CURRENT Lahore, Pakistan
BACHELOR IN ARTIFICIAL INTELLIGENCE University of Management and Technology, Lahore

Website https://www.umt.edu.pk/

LANGUAGE SKILLS

Mother tongue(s):   **URDU** │ **PANJABI; PUNJABI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	A2	C2	C1	A2	C1
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Data Science │ Data Collection, Data Processing, Data Analysis, Data Visualisation │ Image Processing, Image Analysis, Image Segmentation │ Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib. │ Languages : C++,C, Java, Python, JavaScript, C. │ Leadership, Decision making, Critical thinking, Relationship building │ Microsoft Office │ Problem-solving │ Tensorflow / Keras / Pytorch │ Machine learning │ Git │ Team management & Team work │ Microsoft Powerpoint │ Deep Learning, │ Team-work oriented │ Microsoft Word │ Natural language Processing │ MySQL & MongoDB │ Graph Database (Neo4j) │ Computer VIsion │ Linux │ Prolog │ AIML │ windows │ IoT & Microcontrollers │ Microcontrollers (Arduino and ESP32) │ Communication and interpersonal