MOHD MOHTASHAM ALI

AI ENGINEER | ML ENGINEER

Education -

Lords institute of engineering and technology

Year: 2023-2027

Bachelor of Engineering : CSE with specialization in Artificial Intelligence & Machine Learning SGPA:8.3

----- Skills ---

Programming languages: Python ,Java

ML/AI Frameworks: TensorFlow, Keras, Scikit-learn, Hugging Face Transformers

Specialization Areas: ML Model Development & Deployment ,LLM Model ,Retrieval-Augmented Generation

Tools & Technologies: GIT ,Jupyter Notebooks , OpenCV ,Gradio

Databases: MySQL

Projects

Al agent assistant

- Built an intelligent Al assistant that responds to voice commands and camera inputs using cutting-edge frameworks like LangChain, Claude, and Groq for real-time multimodal interactions.
- Created user-friendly interface with Gradio frontend and Google Text-to-Speech integration, enabling natural conversations between users and Al through voice, text, and visual inputs.
- Designed secure, scalable system with protected APIs and enterprise-ready architecture for commercial deployment and production use.
- <a>Link

Dr RAG

- Developed an Al-powered medical assistant using Groq-hosted LLMs that analyzes patient voice recordings and medical images to provide accurate diagnostic insights and healthcare recommendations.
- Built intuitive healthcare interface enabling realistic medical consultations through multimodal Al, showcasing practical applications of LLMs in clinical diagnostics and patient care scenarios.
- Demonstrated healthcare Al innovation by creating production-ready virtual doctor system that bridges the gap between artificial intelligence and medical practice for enhanced patient support.
- 🔗 Link

Hand Gesture Cursor Control

- Engineered touchless computer interface using MediaPipe computer vision to enable precise cursor control through hand gestures captured via webcam.
- Created accessibility-focused solution that empowers users with mobility impairments while providing hygienic, contact-free interaction for healthcare, public kiosks, and sterile environments.
- Demonstrated real-world impact through Al innovation by building practical assistive technology that combines computer vision expertise with social responsibility and inclusive design principles.
- &Link

--- Certificate -

Python Developer – SoloLearn | <u>ØLink</u> Generative AI – Microsoft and LinkedIn | <u>ØLink</u>

— Additional Information —

- Languages: English (Professional), Hindi (Native), Urdu (Fluent)
- Soft Skills: Problem-Solving, Communication, Leadership, Teamwork
- Interests: Artificial Intelligence, Open-Source Projects, Hackathons