Laiba Idrees

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LinkedIn| GitHub

Education:

COMSATS INSTITUTE OF INFORMATION AND TECHNOLOGY   ISLAMABAD, PAKISTAN

Bachelor of Science in Artificial Intelligence

- CGPA (3.39)   February 2022 – Present

    Relevant Coursework:
- Introduction to Artificial Intelligence, Programing for Artificial Intelligence, Data Structures and Algorithm

CHISHTIAN SCIENCES COLLEGE   CHISHTIAN, PAKISTAN

Intermediate in Pre-Medical   September 2019 – July 2021

- **Grade**: A
- **Marks**: 1051/1100

Skills:

Programing Languages:	Python, Java script
IDEs:	Vs Code, Google Colab,Jupyter Notebook
Technical Skills:	NLP, CSS, HTML, Machine learning, Shape e, FastAPI, Mongodb, TensorFlow
Interpersonal Skills:	Communication Skills, Analytical Reasoning, Team Work

Experience:

SOFTWARE ENGINEER FELLOW   July 2024 – September 2024

HeadStarter AI

- Completed 6 full-stack AI projects using React, Next.js, Node, Firebase, TypeScript, Stripe, LLMs, Pinecone, and RAG.

- Gained hands-on experience in AI integration, team collaboration, and deadline-driven development under expert mentorship.

Projects:

FRUITS-AND-VEGETABLES-RECOGNITION-SYSTEM

Robust food recognition system   December 2023 – January 2024

- Developed a robust food recognition system using a diverse data set through Bing Image Search.
- Conducted detailed Exploratory Data Analysis, implemented a Convolutional Neural Network for accurate classification, and assessed results with precision metrics.
- Laid the groundwork for innovative applications in the realm of computer vision and gastronomy.

3D AI NEURAL PATHWAY VISUALIZER

Model Development   August 2023

- Developed a 3D visualizer tool that allows users to Dive deep into the brain's vast network with Visualizer.
- Powered by point – E advanced 3D generative capabilities.
- Used by medical Professionals to better understand neural pathways, and even for drug Discovery as well.

MIND MENTOR APP

Application Development   March 2024

- Designed to provide mental health support and advice to users based on their current mood or mental state.
- Utilized artificial intelligence powered by Google's Generative AI to generate personalized advice and techniques.

PIZZA DELIVERY APP

Application Development   May 2024
- • An AI-powered chatbot providing expert information and support on gynecological topics through an interactive chat interface.
- ● Powered by Cohere LLM, utilizes Langflow, and is accessible on Vercel and Streamlit platforms.

GYNAE GENIUS APP

Application Development   July 2024

- • Designed to provide mental health support and advice to users based on their current mood or mental state.
- • Utilized artificial intelligence powered by Cohere llm and langflow to generate personalized advice and techniques.

WORLD HISTORYCHATBOT

Application Development   August 2024
- • Developed a history chatbot using RAG with FastAPI, Pinecone, and Gemini API.
- • Enabled semantic search and conversational answers for historical queries.

BRAIN TUMOR APP

Application Development   June 2025

- • Developed a deep learning-based brain tumor analysis system for MRI scans, integrating classification, segmentation, and Grad-CAM visualization techniques.
- • Achieved multi-class tumor classification (4 categories) and precise tumor segmentation to support detailed medical diagnostics.

International Competitions:

3D AI MODEL Hackathon
Lablab.ai (Hackathon)

                                                                                              12 August 2023 - 15 August 2023

Team link: Neural Visualizer
Team Presentation: Presentation

Gemini Ultra 1.0 Hackathon
Lablab.ai (Hackathon)

                                                                                                 22 March 2024 - 25 March 2024

Team link: Mind Mentor
Team Presentation: Presentation

LangFlow Hackathon
Lablab.ai (Hackathon)

                                                                                                    12 July 2024 - 15 July 2024

Team link:Gynae Genius
Team Presentation: Presentation

Meta Hacker Cup
Facebook (Coding Competition)
Practice Round

                                                                                                           Issued September 2023

Licenses and Certification:

VIRTUAL EXPERIENCE PROGRAM PARTICIPANT

Deloitte

                                                                                                                Issued May 2023

CERTIFIED PYTHON ELEMENTARY PROGRAMMER

VIRTUAL EXPERIENCE PROGRAM PARTICIPANT
Teach First   Issued April 2023