MH

MUHAMMAD HASSAN

https://developer-hassan.vercel.app/

PROFILE

A professional, passionate, self-motivated Python Developer with the focus in AI. Possess a deep knowledge of ML/DL, Generative AI and API Development using Python. Backend deployment on AWS/GCP/Azure machines through SSH. Maintained a successful performance record throughout my career.

CAREER OBJECTIVE

Aiming to serve the community with my Artificial Intelligence capabilities in Python using techniques like Generative modelling, Computer Vision, Natural Language Processing, Transfer Learning and much more. Excited for modern skills like MLOps, Reinforcement Learning, AGI and stuff. Hoping to serve the community with the best I could.

SOFT SKILLS

- Leadership
- Organizational Behavior
- Good Communicator
- Trustworthy
- Responsible
- Adaptable

EXPERIENCE

PYTHON AND AI ENGINEER • THE OPTIMUM TECH • JUNE 2023 – PRESENT

Collaborated with Research team to explore state of the art AI models and finetuning. APIs development with Django/FastAPI. Autonomous applications using LLMs and LangChain. Generative modeling using GANs.

AI ENGINEER • RINGNECK AI • OCTOBER 2023 – PRESENT

Seamless AI voice-to-voice calling using multiple AI Agents with websockets and webhooks integration. Voice assistant and chatbots. Multithreading.

BACKEND ENGINEER • MANYFACEIO • JUNE 2023 – DECEMBER 2023

Complete control of Backend server management and application deployment. API creation and integration. LLM with VectorDB.

BACKEND DEVELOPMENT INTERN • ZTM • JANUARY 2022 – AUGUST 2023

Experienced the building blocks of Backend development digitally. AI model creation. Server management. Efficient code management and creation. Structured and scalable architecture alignment.

WEB DEVELOPMENT • NATIONAL FREELANCE TRAINING PROGRAM • JUNE 2021 – DECEMBER 2021

Developed several landing pages and responsive websites. Connected database to provide data storage for Record Management.

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HARD SKILLS

- Python Programming / OOP / DSA
- GenAI / LLMs / VectorDBs / MySQL / NoSQL
- LangChain / OpenAI / Llama2 / Mistral
- TensorFlow & Keras
- Finetuning (Hugging Face & TFHub)
- Prompt Engineering / ML / DL
- Django / Flask / FastAPI
- Version Control using Git
- Python Apps Deployment – GCP / AWS / Azure

PROJECTS

AI AVATAR TALKING APPLICATION – GENERATIVE AI
https://manyface.io/

APPLICATION APIS AUTOMATION WITH GEN AI
https://agileloop.ai/
IMAGE CLASSIFICATION DEEP LEARNING PYTHON
https://github.com/developer-hassan/fashion-mnist-deep-learning-classification

STREAMING CONVERSATION USING WEBSOCKETS
https://ringneck.ai/

CODE FIRST AI AGENT FRAMEWORK CONTRIBUTION
https://github.com/developer-hassan/TaskWeaver

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE • 2019-2023 • NATIONAL TEXTILE UNIVERSITY, FAISALABAD
Modern programming languages. Scholarship holder.

INTERMEDIATE IN COMPUTER SCIENCES • 2017-2019 • PUNJAB GROUP OF COLLEGES, FAISALABAD.
Building blocks of CS. 100% scholarship holder.

MATRICULATION IN COMPUTER SCIENCES • 2017 • CITY GRAMMAR SCHOOL, FAISALABAD.
CS and its applications. Prefect Society Member.

CERTIFICATIONS

TEACHER ASSISTANT - INTRO TO ARTIFICIAL INTELLIGENCE
National Textile University • 2023

DEEP LEARNING WITH TENSORFLOW
Zero to Mastery Academy • 2023

MACHINE LEARNING AND DATASCIENCE BOOTCAMP
Zero to Mastery Academy • 2022

COMPLETE PYTHON PRO BOOTCAMP
App Brewery • 2022

WEB DEVELOPMENT
National Freelance Training Program • 2021

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