Hassan Mustufa Arif

Software Developer

Aspiring AI developer with hands-on experience in building AI agents, optimizing machine learning models, and creating full-stack applications using Python, Javascript, Next.js, and React.

✉ hassanmustufaarif@outlook.com 📱 + 92 331-3655285

📍 Karachi, Pakistan in linkedin.com/in/hassan-mustufa-arif

EDUCATION

Computer Science
Islamia Science Collage

07/2022 - 07/2024   *karachi,sindh*

Courses

- Physics
- Statiscs
- Maths
- Computer Science

WORK EXPERIENCE

Software Engineer-Intern
Ecomm Chains

10/2024 - 12/2024

Achievements/Tasks

- Learning how to integrate **RAG databases** , including **Pinecone** and **Chroma DB** for efficient storage and retrieval of vectorized data.
- Gaining hands-on experience with **Python** to fine-tune AI models and optimize performance.
- Exploring **Gemini** for enhanced model outputs and decision-making capabilities of AI agents.
- Understanding how vector databases support machine learning models by organizing and searching large datasets efficiently.
- Working on both **back-end and front-end** development with **Type script** and **Next.js** to create server-side rendered applications and seamless client-server interaction.
- Implemented **API integration** and developed **mock APIs** to simulate real-world data interactions and improve front-end and back-end communication.

CERTIFICATES

Agentic AI -PIAIC

Web developement-GIAIC

SKILLS

Python Javascrit Typescript React.js

Next.js Docker Github CSS Html

Pinecone Chroma db AI

hugging face Tool Calling

Time Management Decision Making

Quick Learner Langchain

PERSONAL PROJECTS

Developed a face recognition system similar to NADRA using Chroma DB.

Created a RAG database with Chroma DB for face recognition and integrated it with the Gemini model to enhance query and database responses.

Fine-tuned a Gemini model to provide medicine usage, dosage, and side effects based on the name.

Built a basic project in Python focusing on function calling.

Developed a Resume Builder using Javascript, HTML, and CSS for creating professional resumes.

Created games like Sudoku and Tic-Tac-Toe using Python and object orientd programming .

INTERESTS

Football Tech podcasts Travelling