

Muhammad Zain Faisal

Artificial Intelligence

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Summary

Enthusiasm for harnessing artificial intelligence and machine learning to solve real-world problems is evident from the educational background and certifications. Proficiency in Python and C++, along with a strong foundation in deep learning and computer vision, aligns well with the commitment to advancing technology. A passion for continuous learning and applying cutting-edge skills to contribute to impactful projects drives the ambition to excel in a forward-thinking environment.

Key Achievements

Improved Image Recognition

Developed AI model improving image recognition by 40% using TensorFlow.

Enhanced Algorithm Efficiency

Increased algorithm efficiency by 30% in Python and C++.

Excelled In NLP Projects

Achieved 95% NLP accuracy in language processing projects.

Published Deep Learning Research

Led team that published 3 research papers on deep learning.

Skills

Computer Vision • Natural Language Processing • Deep Learning • Machine Learning • Retrieval-Augmented Generation • TensorFlow • Lang Chain • Data Analysis • Data Visualization • EDA • Matplotlib • Seaborn • Pandas • NumPy • SQL • Data Structure and Algorithm • Object-Oriented Programming • Communication • Problem Solving • Python • C++ • C • Microsoft Excel

Projects

Retrieval-Augmented Generation (RAG) System

- Developed a RAG system that enhances text generation by retrieving relevant context from external knowledge sources. Integrated LangChain, OpenAI API, and FAISS for efficient document retrieval

Movie Recommendation System

- Developed a machine learning-based recommendation system using collaborative and content-based filtering techniques. Utilized Python, Pandas, and Scikit-learn to analyze user preferences and movie features.

Education

National College Of Business Administration & Economics

BSCS, Computer Science

Certification

Microsoft Certified: Azure AI Fundamentals

Supervised Machine Learning: Regression and Classification : Coursera

Artificial Intelligence Course - Corvit System ,Lahore

Google soft skills Program

Interests

Exploring Automation

Strategic Thinking & Problem-Solving