Muhammad Asad

AI ENGINEER

I'm an AI Engineer skilled in Python, Computer Vision, NLP, and Generative AI, focused on creating innovative solutions for complex problems. With expertise in machine learning, deep learning, and data science, I've delivered impactful projects like smart meeting analyzers and web-based detection systems. I thrive in collaborative environments, leveraging AI to drive innovation and business growth, and I'm eager to contribute to forward-thinking projects.

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WORK EXPERIENCE

AI Engineer
HNH SoftTech Solutions

10/2023 - Present   *Karachi, Pakistan*

Achievements/Tasks
- Conducting R&D on cutting-edge AI technologies, focusing on computer vision, NLP, and Generative AI applications.
- Designing and implementing machine learning algorithms and deep learning models to solve complex real-world problems.
- Developing and optimizing chatbots using NLP techniques to enhance customer engagement and automate processes.
- Handling advanced computer vision tasks, including image recognition, object detection, and video analysis.
- Leading the design and deployment of Generative AI solutions , driving innovation and automating creative processes.
- Collaborating with cross-functional teams to gather requirements, develop prototypes, and deploy AI models into production environments.

Machine Learning Intern
Codsoft

08/2023 - 09/223

Achievements/Tasks
- Leading data preprocessing tasks, ensuring clean, structured datasets for accurate model training.
- Optimizing algorithms to boost model performance and accuracy, resulting in more reliable predictions.
- Conducting Exploratory Data Analysis (EDA) to uncover insights and trends from raw data.
- Documenting methodologies and presenting findings to teams, which helped streamline the development process and maintain high ethical standards in machine learning practices.

EDUCATION

BACHELOR OF SCIENCE (BS) | Computer Science
SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY

11/2019 - 04/2024   *Karachi, Pakistan CGPA: 3.6*

SKILLS

Python | Machine Learning | Computer Vision | Deep Learning | Generative AI | NLP | Data Science | Fast API | Django | Docker | AWS | GitHub

PERSONAL PROJECTS

NEXT-GENERATION BOARD MEETING ANALYZER (02/2023 - 02/2024)
- Developed a smart board meeting analyzer using NLP and video processing to analyze discussions in real-time.
- Implemented sentiment analysis algorithms to gauge tone, engagement, and emotional responses from participants.
- Generated key insights and statistics, streamlining the decision-making process and enhancing meeting evaluations.

CERTIFICATES

IBM AI Engineering Specialization(IBM)

IBM Data Science Specialization (IBM)

Machine Learning Specialization (Stanford University)

Python Beginner to Advance (Udemy)