Talha Gafoor

AI & Machine Learning Engineer | Data Scientist

Machine Learning specialist developing intelligent systems using Python, TensorFlow, and PyTorch. Built Al-powered applications including chatbots, predictive models, and OCR systems. Certified by IBM and Google with expertise in data analysis, NLP, and cloud deployment. Passionate about solving complex problems through data-

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Faisalabad, Pakistan



EDUCATION

driven Al solutions.

BS Computer Science

Namal University Mianwali

11/2021 - Present

Relevant Cources: Al and Machine Learning, DSA, Analysis of Algorithms, DBMS, Information Security, Cyber Security

PERSONAL PROJECTS

Patient Communication Platform(FYP)

 Developed HIPAA-compliant platform with OAuth 2.0, WebSockets, and EHR integration, enabling secure messaging and task management for 500+ users.

Urdu OCR System

 Enhanced state-of-the-art Urdu text classification by 15% accuracy through custom dataset generation (10,000+ augmented images) and noise-resilient model tuning.

Movie Recommendation System

 Built Flask-based recommender using collaborative filtering (TF-IDF + matrix factorization), achieving 85% user satisfaction in testing.

SIEM Implementation (Wazuh

 Integrated Snort, Graylog, and VirusTotal for threat detection, reducing response time by 30% via custom dashboards.

Stock Price Prediction

 LSTM model predicted trends with 92% accuracy; visualized insights in Power BI for real-time trading decisions.

WORK EXPERIENCE

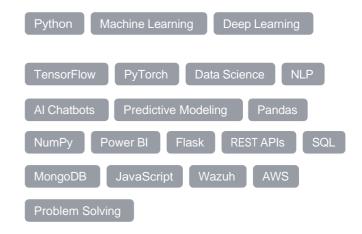
Internee (Backend Developer) EZMD Solutions

09/2024 - Present

Achievements/Tasks

Designed and developed a secure and efficient Patient Communication Platform, consisting of two mobile applications—one for healthcare providers and one for patients—along with a web application for providers and Virtual Medical Assistants (VMAs).

SKILLS



CERTIFICATES

Machine Learning with Python (Coursera) (03/2023 - 03/2023)

IBM Data Science Professional (09/2022 - 09/2022)

Python for Data Analysis (Udemy) (08/2023 - 08/2023)

LANGUAGES

English
Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

INTERESTS

ΑI

Data Science

Competitive Programming

MI