Saad Tariq

AI Engineer

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LinkedIn
GitHub
Portfolio

AI engineer with hands-on experience in AI, ML, DL, NLP, and LLM projects. Proven ability to apply AI techniques to real-world scenarios with solutions. Currently pursuing BS IT at NUML Islamabad. Actively seeking job opportunities to further enhance skills and contribute to cutting-edge AI projects.

PROFESSIONAL EXPERIENCE

AI Intern   **Remote**

ROBX.AI   *November 2024–Present*

- **Designed** and implemented AI, ML, DL, NLP, and LLM models to solve business problems, increasing model efficiency and performance by 20%.
- **Developed** and deployed backend services using FastAPI to integrate machine learning models, enhancing accessibility and scalability.
- Worked closely with senior engineers to fine-tune machine learning algorithms, improving data processing and prediction accuracy by 15%.
- **Created** AI-powered conversational systems leveraging LLMs, boosting user engagement and interaction quality by 25%.
- **Performed** data preprocessing, feature engineering, and model validation to ensure the reliability and high accuracy of predictive models.

AI Intern   **Rawalpindi, Punjab, Pakistan**

BCDapps   *June 2024–August 2024*

- **Engineered** AI, ML, DL, NLP, and LLM models to solve complex business problems, increasing model performance by 20%.
- **Collaborated** with senior engineers to optimize machine learning algorithms, improving data processing and prediction accuracy by 15%.
- **Developed** AI-driven conversational systems using LLMs, enhancing user interaction experiences by 25%.
- **Conducted** data pre-processing, feature engineering, and model evaluation, ensuring robustness and accuracy in predictive models.

EDUCATION

Bachelors Of Information Technology   **H-9 Islamabad, Pakistan**

National University Of Modern Languages   *Sep 2021 - Ongoing*
(GPA: 3.4/4.0)

Intermediate Pre-Engineering   **Talagang, Punjab, Pakistan**

Punjab Group Of Colleges   *April 2019 – June 2021*
(MARKS: 88%)

PERSONAL PROJECTS

AI-BASED INTERVIEW PREPARATION PLATFORM WITH SIMULATION AND ASSESSMENT (FYP)

- **Technologies:** React, Python, Groq (open-source model), Deepgram
- **Role: Team Member**
- **Description:** Developed an AI-powered platform that simulates real-life interview scenarios with a voice chatbot and an avatar for interactive practice and feedback.
- **Key Features:**
    - Built a voice chatbot for conducting interviews, improving interview response accuracy by 30%.
    - Simulated engaging interview experiences using an avatar, increasing user retention by 40%.

TRIPWHISPERER - AI-POWERED TRAVEL ADVISOR

- **Technologies:** Streamlit, LangChain, Groq API, Python
- **Role:** Lead AI Engineer
- **Description:** Created an AI-based travel assistant offering personalized trip recommendations and itineraries using LLMs.
- **Key Features:**
    - Engineered custom AI models for personalized travel suggestions, increasing user satisfaction by 25%.
    - Developed customizable itineraries and memory features, improving user engagement by 20%.
    - **GitHub:** TripWhisperer

CORE SKILLS

- **Data Skills:** Data Analysis, Tableau, Power BI, Excel, Pandas
- **Version Control:** Git/Github
- **Machine Learning & Deep Learning:** ANN, CNN, RNN, LSTMs
- **Data Handling & Preprocessing:** Feature Engineering, Scaling, Encoding, PCA, Outlier Detection
- **Model Evaluation & Optimization:** Gradient Descent, Adam, Regularization, Confusion Matrix, F1 Score
- **Neural Networks Techniques:** Forward/Backpropagation, Activation Functions, Dropout, Batch Normalization
- **Large Language Models (LLMs):** Prompt Engineering, Retrieval-Augmented Generation (RAG) for Document-based Chat
- **Frameworks and Libraries:** Pytorch, Tensorflow, Langchain, LangServe, NLTK, Spacy, Hugging-Face, Sickit-Learn, Numpy, Pandas, MatplotLib, Seaborn, Flask, FastAPI, Django, Streamlit.

CERTIFICATIONS

- ChatGPT Prompt Engineering for Developers | DeepLearning.ai
- Building Systems with the ChatGPT API | DeepLearning.ai
- AI For Everyone | DeepLearning.AI
- Data Analyst Bootcamp | Alex The Analyst

LANGUAGES

- English (Fluent)
- Urdu (Fluent)
- German (Basic)

REFRENCES

References available upon request.