Muhammad Rizwan

AI Engineer & Business-Developer

Contact Details

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- Portfolio-Muhammad Rizwan

Technical Skills

- Generative AI
- Digital Marketing
- Natural Language Processing
- LLM
- Fine Tuning
- Embedding Research

Programming Languages

- Python
- Flask
- MySQL
- SQL
- TensorFlow
- Keras
- Pyspark

Tools and Framework

- Autogen
- Langchain
- Gradio
- MatLab
- Google Colab

Certificates

- Introduction to Python Programming Languages
- Introduction to LLM Prompt
- Full Stack Digital Marketing (Ehunar Jawan Program)

Interest

- Open-source contributions Model development
- Exploring emerging technologies like [AI, VR, etc.]
- Research in AI Field
- Neurons Study
- Neurons Sensing devices deployment

About Me

Highly motivated and results-oriented AI/ML Engineer with 1.5 years of experience in Natural Language Processing (NLP) and data analysis. Additionally, I am an experienced Digital Marketer and Business Development professional, specializing in Upwork bidding, lead generation, and client acquisition. Eager to contribute my expertise to a challenging role where I can continue to learn, grow, and drive impactful results.

Experience

Ai/Machine Learning Engineer at VirtualSoft PVT. Limited

Feb 2024 – August 2024, SadiqAbad Pakistan,

- Developed and deployed LLM-driven chatbots using Gradio, integrating LLaMA models for improved response accuracy and reduced operational complexities.
- Designed and implemented data visualization dashboards using Matplotlib and Seaborn to communicate insights from structured and unstructured data.
- Performed data preprocessing and image analysis tasks to improve accuracy in segmentation and object detection pipelines.
  Trained and fine-tuned machine learning models for diverse NLP and image classification projects, ensuring high performance and adaptability.

Machine Learning intern at VirtualSoft Technologies

Nov 2023 - Jan 2024, SadiqAbad, Punjab, Pakistan (onsite)

- Gained hands-on experience transforming raw data into actionable insights through data cleaning, pre- processing, and feature engineering.
- Employed data cleaning techniques to handle missing values, outliers, and noise, ensuring dataset quality integrity.

Data Science Intern at Data Majority

July 2023 – October 2023, Rahim Yar Khan, Punjab, Pakistan (On-site)

- Optimized prompts in LLaMA models to enhance performance in Retrieval-Augmented Generation (RAG) systems.
- Developed and fine-tuned chatbots using LLMs, improving overall accuracy through advanced prompt engineering.
- Customized prompts for various chatbot use cases to enhance user interactions and task-specific performance.

BUSINESS DEVELOPMENT LEAD GENERATION UPWORK BIDDER

May 2023 – November 2023, Headington , United Kingdom(Remote)

- Received comprehensive training in Upwork bidding through Tammz, gaining skills to secure projects and connect with clients.
- Continuously expanding expertise in:
  Lead generation
  Business development
  In-depth market research

Projects

- Parkinson Disease Detection
- Hand Sign Language
- Digital Number Image Detection
- Emotion Detection
- Restaurant Chatbot
- Captcha-Images-Verification-by-ML
- Movie rating Analysis
- A/B Testing of Products
- Personal-Car-updating Chatbot
- Phishing Detection
- EDA on Iris Flower Dataset
- FastAPI Job Scraper

Education

Bachelor of Science in Computer Science (Graduate)

Khawaja Fareed University of Engineering and Information Technology, RYK 20, February 2020 – 26 January 2024