Muhammad Allah Rakha Al/ML Engineer

I am a committed and highly proficient AI Researcher with 3-years of valuable experience in developing cutting-edge artificial intelligence solutions. My expertise lies in the invention and execution of machine learning models, deep learning algorithms, and natural language processing systems to handle complicated business challenges. I am enthusiastic about employing my talents to assemble significant contributions to innovative projects and drive technological progress in the AI/ML field.

Work Experience

Generative AI Engineer @ Datafy Associates

DATAFY ASSOCIATES

08/2023 - Present

Lahore, Pakistan (Remote)

- Development of the Generative AI Transformer networks for realistic image synthesis resulted in a 50% improvement in image quality.
- Build a text-to-image synthesis system using conditional GANs with a GenAl strategy, enabling the generation of images from textual descriptions.
- Collaborated with research teams to explore the potential of Generative AI models in healthcare, art, and entertainment industries.
- Developed and fine-tuned language models (LLM) for creative text generation, such as question and answer, poetry, storytelling, and songwriting.

Research Scientist | NVIDIA Developer Program @ Nvidia

03/2023 - Present

Punjab, Pakistan (Remote)

- I use advanced technology from the NVIDIA Developer Program community to solve AI/DL challenges.
- I assist clients with research, corporate theses, and business projects. I've also developed innovative applications to improve efficiency and achieve objectives.
- Collaboration with like-minded individuals in the community has led to remarkable achievements and endless opportunities for personal and professional growth.
- I'm proficient in programming languages, frameworks, and APIs for successful projects. My main focus is on client satisfaction and upholding the organization's reputation. I quickly resolve any unexpected bugs or errors in client projects.

Data Scientist | AI-ML Engineer @ Fiverr **FIVERR**

02/2020 - 12/2022

Punjab, Pakistan (Remote)

- Manage important client projects, such as research, theses, final-year projects, and business initiatives. Employ diverse programming languages, frameworks, and APIs to achieve successful results.
- Manage client projects and promptly fix unexpected bugs. Offer solutions and guidance for user projects.
- · Work with community members to share real-life knowledge and experiences, improving your expertise and problem-solving abilities.
- Create, evaluate, and implement AI features for over 10 significant projects in an international company worth a total of \$50,000.

Education History

National University of Computer and Emerging Sciences **Bachelor of Science in Computer Science - BSCS**

Year of Graduation: 08/2019 - 06/2023

Technical Skills

- Python, R, Julia
- Java, Django
- Gensim, NLTK
- NumPy, Pandas
- OpenAl Gym
- Matplotlib, Seaborn
- OpenCV, SpaCy
 TensorFlow, Keras

 - Heroku, Git, GitHub
 - Amazon AWS
 - PyTorch, Scikit Learn
- Tableau, Power BI • NVIDIA cuDNN, CUDA • Databricks, Snowflake

 - Hadoop, Spark, Kafka
 - Docker, Kubernetes • MySQL, MongoDB
 - Microsoft Azure

Research Field

Research: Hyperspectral Satellite Image University in Chongging, China

- Mixed Transpose Octave Transformer for Hyperspectral Image Denoising.
- Dual Cross Autorous Sperable Center Difference Fusion Attention Network for Hyperspectral Image Denoising
- Mixed Attention Mechanism and Features Extraction Spatial-Spectral Central Difference Convolutional Network for Hyperspectral Image Denoising.
- Hybrid Multi-Head Attention Mechanism with Central Difference Convolutional Network for Hyperspectral Image Classification.

Conferences and Webinars

NVIDIA Corporation

- NVIDIA GTC Conference 2023
- MDLI Ops Conference 2023

Weights & Biases

- MLOps Fully Connected Conference 2023
- Training & Tuning Text-to-Speech with NVIDIA (NeMo) and W&B (Wandb)

Dell Technologies

• Accelerate Transformation Anywhere with PowerEdge

Certification

Machine Learning with Python (FreeCodeCamp)

Professional Membership

Member, NVIDIA Developer Program Community

Areas of Expertise

- Machine Learning
- Artificial Intelligence
- Deep Learning.
- Computer Vision.
- Natural Language Processing
- Hyperspectral Images (Research).

Hobbies and Interests

- Community Service
- Creative Thinking
- Reading & Writing
- Time-Management

Phone: +92 349 0175636

Email: 4444stark@gmail.com

 Sports & Traveling Team Player

Contact Info

Google: aaaastark Github: aaaastark

LinkedIn: A A A A STARK Location: Lahore Punjab, Pakistan