Sirajuddin Shaik

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🔗 https://www.linkedin.com/in/shaik-sirajuddin-

SKILLS

Machine Learning Skills

Deep Reinforcement Learning

Deep Learning   Computer Vision

Matplotlib/Seaborn   Scikit-Learn

Advanced TensorFlow   PyTorch

GANs   NLP   Data Science

Pandas   Transformers

Languages/Database Management

C   Python   Java   C#

JavaScript   SQL   MongoDB

HTML   Css

Cloud/Other

AWS Machine Learning - Specialty

Prompt Engineering   VS-Code

Lightning.ai   Google Colab

Software Development

MERN Stack   Git   Github

MLOPs   React Native

STRENGTHS

💬 **Versatile Collaboration**
Effective in both team and individual settings, adept at clear communication and committed to achieving goals collaboratively and autonomously.

📈 **Adaptable**
Quickly adapt to new technologies and environments to deliver quality results efficiently.

💎 **Advanced Machine Learning**
Expert in Deep Learning and NLP

SUMMARY

- Proficient in **advanced machine learning** techniques including Deep Reinforcement Learning, Deep Learning, GANs, NLP, and Computer Vision.
- Skilled in TensorFlow,PyTorch and Hugging Face Transformers for model development.
- Proficient in Python, AWS S3, SQL, and MongoDB for database management.
- Skilled in data cleaning, transformation, and analysis using NumPy and Pandas.
- Familiar with AWS Machine Learning and Google Colab for cloud-based development.
- Web development expertise with HTML, CSS, and the MERN stack.

EDUCATION

Computer Science and Technology

Vasireddy Venkatadri Institute of Technology   📅 2025 passout

PROJECTS

Deep Learning Projects Using MLOPs

📅 11/2022 - Live

🔗 https://sirajuddin-shaik.vercel.app/projects

Projects:

- **StockTrader**, An app capable of predicting multiple buy and sell actions simultaneously. Automatically predicts every 4 hours.
- **RAG** combines Meta Llama 3 on GPU for conversational AI and Hugging Face API models on CPU for Retrieval-Augmented Generation with up to 4 PDFs, supporting various interaction prompts.
- Implemented **StyleGAN2** for image synthesis,exploring progressive growing and employing data augmentation techniques.
- Reimplement and analyze **ML papers**, documenting insights and understanding to advance research and application of machine learning techniques.

Deep Reinforcement Learning Agents with TensorFlow

📅 06/2023 - Live

🔗 https://github.com/SirajuddinShaik/DRL

Project Summary:

- Developed and evaluated Deep Reinforcement Learning (**DRL**) agents using **TensorFlow** in dynamic environments.
- Algorithms Used: Deep Q-Networks (DQN), Proximal Policy Optimization (PPO), Twin Delayed DDPG (TD3), Soft Actor-Critic (SAC), Deep Deterministic Policy Gradient (DDPG), Actor-Critic.

CERTIFICATIONS

Deep Learning Specialization   Reinforcement Learning Specialization

NLP Specialization   GAN Specialization

Prompt Engineering Certification   Tensorflow Advanced Specialization

INTERESTS AND HOBBIES

⚙️ **Learning New Interesting Tech**
I am always striving to stay updated by learning new technologies

♟️ **Playing Games**
In my leisure time, I enjoy immersing myself in gaming experiences.