

Sirajuddin Shaik

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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.