SYED NOOR MOHAMMED

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EDUCATION

Computer Science and Engineering (AI-ML Specialization), Chaitanya Bharathi Institute of Technology
Expected: May 2024
Relevant Coursework: Data Structures, Analysis of Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Reinforcement Learning, Computer Vision, Quantum Computing.

SKILLS

Languages: Python, C++, JavaScript, SQL, Java

Frameworks: Scikit-Learn, NumPy, Pandas, TensorFlow, Keras, PyTorch, Apache Spark

Skills: Generative AI, LLM, BERT, BARD, GPT, T5,Transformers, MERN, Recommender Systems, Machine Learning, Deep Learning, Google Cloud, Vertex AI, MySQL, REST, Competitive Programming, Public Speaking.

EXPERIENCE

Barclays   June - August 2023
Developer Intern   *Pune, IN*

- Pioneered the development of an advanced data quality framework using PySpark, leading to a 100% boost in data accuracy.
- Optimized the framework for integration with AWS, achieving a 20% increase in processing time efficiency.
- Revitalized ETL processes using Abinitio software, reducing report generation time from 30 to 10-12 minutes.

SWECHA   September - November 2021
Team Lead   *Hyderabad, IN*

- Led a 5-member team in a web development internship.
- Designed a website using the TMDB API, providing movie information within 1-2 seconds for an improved user experience.

PROJECTS

Advanced Text Generation AI (Transformer-Based Text Generator)

- Developed an innovative text generation model utilizing transformer architecture, renowned for its efficiency and accuracy in natural language processing tasks.
- Successfully enhanced model accuracy to 90%, leveraging advanced techniques in machine learning and data processing, which significantly improved the quality of generated text.
- Implemented state-of-the-art training methodologies, resulting in a robust model capable of understanding and generating complex language structures with high fidelity.

Tech: Python, Deep Learning, Hugging Face, Transformers, Auto Regressive Model, Fine Tuning.

IroCar - Self Driving Car (Reinforcement Learning Based Model)
Developed an AI for a self-driving car, adaptable to dynamic environments using Deep Reinforcement Learning and Temporal Difference learning.

- Implemented a neural network strategy achieving a 90% convergence rate within the first 1000 iterations.
- Incorporated Experience Replay, reducing training time by 40%.

- Used the Deep Q Learning algorithm with prioritized experience replay for an 80% faster convergence than conventional DQN.

Tech: Python, PyTorch,Machine Learning ,Deep Q Learning, Reinforcement Learning, Temporal Difference, Back-propagation.

CERTIFICATES

- Generative AI with Large Language Models (AWS) Link

- Production Machine Learning Systems (Google Cloud) Link

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning Link

- Convolutional Neural Networks in TensorFlow Link

- Natural Language Processing in TensorFlow Link

- Sequences, Time Series and Prediction Link

- Supervised Machine Learning: Regression and Classification Link

- Advanced Learning Algorithms Link

- Unsupervised Learning, Recommenders, Reinforcement Learning Link

- TensorFlow Developer Specialization Link

- Machine Learning Specialization Link

- Google Kickstart 2022 Link

ACHIEVEMENTS

- Achieved Global Rank 1469 in Google KickStart.

- Secured AIR 7851 in JEE Advanced 2020 (Top 0.1%).

- Scored 99.7% in Mathematics in JEE Main 2020 (Top 0.01%).

- Selected for RMO (Regional Mathematical Olympiad).

- Rated 1350 on Codeforces.

- Winner of CodeRush by GDSC.

- 4th place in MachineKnight Hackathon.

- Won various coding competitions.