HASSAN ABDUS SALAM

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PROJECTS

Designing an improved Reinforcement Learning agent to control the Cart-Pole

- Designed and implemented an improved Reinforcement Learning agent for Cart-Pole control.
- Utilized DQN algorithms, optimized hyperparameters, and enhanced performance stability.
- Achieved significant improvements in balancing duration compared to baseline models.

SMS Spam Detection Using Machine Learning

- Developed an SMS Spam Detection system using machine learning algorithms.
- Implemented data preprocessing, feature extraction, and model training using techniques like Naive Bayes, Support Vector Machines etc.
- Achieved a high accuracy rate in classifying spam versus legitimate messages.

Ongoing: Proactive Defense for Financial Transactions with Intelligence

- Developing a proactive defense mechanism for transactions using advanced intelligence techniques.
- Implementing real-time anomaly detection, risk assessment models, and automated response systems.
- Enhancing security and minimized fraudulent activities, ensuring robust transaction integrity.

PROFESSIONAL EXPERIENCE

Glider Technologies **08/2021 - 12/2021**

Web Developer

Accomplishments:

- Developed responsive web interfaces using HTML, CSS, and JavaScript.
- Collaborated with design and backend teams to enhance user experience and functionality.
- Debugged and optimized code for performance, improving page load times and user engagement.

EDUCATION

Vellore Institute of Technology **2023 - 2025**

Master of Computer Applications

Islamiah College (Autonomous) **2020 - 2023**

Bachelor of Computer Applications

SKILLS

- **Languages:** Python, SQL
- **Frameworks:** TensorFlow, PyTorch, Keras, Numpy, Pandas, Matplotlib, Scikit-Learn
- **Tools:** PowerBI, Excel, Tableau, MySQL, MongoDB

CERTIFICATIONS

- **INTRODUCTION TO LARGE LANGUAGE MODELS** - LINKEDIN LEARNING (2024)
- **INTRODUCTION TO GENERATIVE AI WITH GPT** - LINKEDIN LEARNING (2024)
- **CONVOLUTIONAL NEURAL NETWORKS WITH TENSORFLOW IN PYTHON** - 365 DATA SCIENCE (2023)
- **FUNDAMENTALS OF DEEP LEARNING** - NVIDIA (2023)
- **INTRO TO NLP FOR AI** - 365 DATA SCIENCE (2023)