Farheen Akhter

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https://github.com/FarheenAkhter786

OBJECTIVE

Seeking an internship opportunity to leverage my expertise in machine learning techniques, having proficiency in Python and Tensor Flow. I am eager to contribute to cutting-edge projects and collaborate with a dynamic team to drive innovation in the field of artificial intelligence.

TECHNICAL SKILLS

- Programming Languages: Python, C, C++,Java, JavaScript
- Familiarity with Deep Learning, NLP, Computer Vision, Recommendation Systems
- Applied Scikit-learn, pandas, matplotlib, pytorch, tensorflow libraries to real-world projects, optimizing performance and accuracy for data featuring or fine tuning models or handle large-scale machine learning tasks.
- Utilized SQL for data extraction, transformation, and loading (ETL) processes.
- Presented technical research and project outcomes to both technical and non-technical audiences, ensuring clarity and engagement.

WORK EXPERIENCE

California State University ***San Bernardino Feb 2024 Current***
Teaching Assistant (TA)

- Assist in developing new course content and updating existing materials for courses Algorithm Analysis II , Numerical computation-Machine Learning , Ethical hacking , computer networking and security.
- Help grade assignments, discussions, exams, and quizzes according to the professor's guidelines.
- Manage communication with students regarding course information, assignments, and deadlines.

MDS - Moroccan Data Scientists ***Morocco Feb 2024 May 2024***
Data Scientist Intern

- Led a computer vision project focused on detection and diagnosis of pests and diseases in agriculture, demonstrating proficiency in rapid prototyping and iteration of ideas.
- Collaborated closely with a multidisciplinary team to translate research findings into practical applications for the agricultural industry.
- Implemented machine learning models for various applications, including object detection and segmentation, and contributed to open-source projects within the AI community.

PROJECTS

1. ***Voice Controlled Giraffe using NLP-Tensor flow***
    - The project utilizes Natural Language Processing (NLP) techniques, powered by Tensor Flow, to interpret and understand voice commands given to the giraffe robot.
    - This involves training a model to accurately recognize and process various voice commands, converting spoken language into actionable tasks
2. ***Image Classifier, Image Segmentation ,Toxicity model, Generative Machine learning models, Model, Book Recommendation system***
    - These projects are developed and implemented deep learning models for image classification and segmentation using frameworks like Tensor Flow, Keras, and PyTorch.
    - Created and fine-tuned models for toxicity detection using NLP, leveraging algorithms such as LSTM and BERT to analyze text data for harmful language.

QUALIFICATION

California State University, San Bernardino **August 2023 – Current**
Master of Science in Computer Science CGPA 3.9

Coursework - Software Engineering, Embedded Systems, Computation Complexity Theory, Operating Systems, Data Structures and Algorithms, Artificial Intelligence, Machine Learning (Data Science, Deep Learning, Computer Vision, Generative AI),