Aisha Sharma

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OBJECTIVE

Aspiring AI Engineer and recent Computer Science graduate with a passion for machine learning, natural language processing, and developing intelligent solutions. Eager to apply academic knowledge and project experience to contribute to innovative AI projects in a challenging and growth-oriented environment.

EDUCATION

University of Technology - Cityville, USA

Bachelor of Science in Computer Science, Specialization in AI - May 2024

GPA: 3.8/4.0

Relevant Coursework: Machine Learning, Deep Learning, NLP, Computer Vision, Data Structures & Algorithms, Probability & Statistics.

SKILLS

Programming: Python (Proficient), Java (Intermediate), C++ (Basic)

AI/ML: TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, OpenCV, NLTK

Tools: Git, Docker, Jupyter Notebooks, VS Code, Linux

Concepts: Supervised/Unsupervised Learning, Neural Networks, CNNs, RNNs, Transformers, Reinforcement Learning

PROJECTS

Neural Style Transfer Application | Python, TensorFlow, VGG19

Developed a desktop application to apply artistic styles from one image to another using Convolutional Neural Networks. Implemented content and style loss functions for optimal image generation.

Sentiment Analysis of Movie Reviews | Python, NLTK, Scikit-learn

Built a model to classify movie reviews as positive or negative. Preprocessed text data, implemented TF-IDF vectorization, and trained Logistic Regression & Naive Bayes classifiers, achieving 88% accuracy.

Object Detection with YOLOv5 | Python, PyTorch, OpenCV

Fine-tuned a pre-trained YOLOv5 model on a custom dataset for real-time object detection. Annotated images, trained the model, and evaluated performance using mAP.

EXPERIENCE

AI Research Intern | TechForward Labs | Summer 2023

Assisted senior researchers in developing a conversational AI agent.

Contributed to data collection, preprocessing, and annotation for training datasets.

Implemented and tested various intent recognition models using Rasa framework.