Munsi Walid Al Hassan Nizhu

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Hugging Face
Github
LinkedIn
Portfolio

Career Objective

Candidate with proven expertise in Python, NLP, CV, PyTorch, and TensorFlow seeking a challenging role to leverage skills in object detection, segmentation, and pose estimation. Eager to contribute to organizational goals while further developing technical and communication abilities.

Education

2024   **B.Sc. in CSE**, *Bangladesh University of Business and Technology(BUBT), Mirpur-2, Dhaka*, Bangladesh
CGPA - 3.97 | Computer Science Engineering

Skills

Programming, Algorithm, Python, PyTorch, Tensorflow, Natural Language Processing, NumPy, pandas, LLM Model, Streamlit, Machine Learning, Datasets, FastAPI, Git, Docker, Team Work, Team Work Management.

Professional Experience

AI Engineer Intern at HawkEyes Digital Monitoring Limited.

AI Engineer Executive at HawkEyes Digital Monitoring Limited.

ML Course Instructor at BUBT TAFE

Projects

Face-Detection-Using-URL:
Description: I engineered a custom model in a FastAPI app to process image URLs, providing recognition data like names, prediction accuracy, and coordinates.

Find-Direction-Of-A-Bolt:
Description: I developed a system to accurately determine bolt angles, center points, and head positions using two YOLOv8 models for detection and orientation. The system processes images via a FastAPI endpoint, returning results in JSON format.

Floor-Object-Rooms-and-Bed-direction-Identification-according-to-Vastu-angle:
Description: I developed an AI solution for identifying and analyzing floor plans, detecting object placement, and optimizing room locations. The project used PyTorch, Ultralytics, OpenCV, and pandas.

Face Recognition:
Description: I developed a facial recognition system for secure login, verifying images against registered facial data using PyTorch, Dlib, and FastAPI. This project demonstrates my expertise in facial recognition and API development for real-time applications.

Image-detection-using-pretrained-model-ssdlite-320-mobilenet-v3-large-with-FastApi:
Description: I'm developing an Object Detection API using FastAPI and the pre-trained ssdlite320-mobilenet-v3-large model, which is based on the MobileNetV3 Large architecture with a 320x320 input size.

ChatBot:
Description: I developed an interactive chatbot using Meta's LLaMA model and a Streamlit interface, showcasing my expertise in NLP and web development. This project highlights my ability to create advanced AI solutions with practical applications.

ChatBot-Gemini:
Description: I developed a chatbot using a Retrieval-Augmented Generation (RAG) system, integrating web scraping, data indexing, and language models to deliver accurate responses. This project highlights my expertise in building scalable, efficient AI systems and enhancing user experience.

Romero-ChatBot:
Description: I developed and deployed a chatbot using the Gemini Pro model API with a Streamlit interface, showcasing my skills in AI and web development. The chatbot offers accurate responses and a smooth user experience, deployed on a Streamlit server.

Cyber-Attack-Detection-Using-Ensemble-Classification:
Description: The project helps to detect different type of cyber different types of Cyber attacks.
Technologies Used: Python, Pandas, RFE, Naive Bayes, LogisticRegression, DecisionTree.

Depression Level Detection in Social Media:
Description: The project helps to detect depression levels 0 to 4. Where 0 is a general post and 4 is a suicidal post.
Technologies Used: Python, Pandas, tensorflow, Gaussian mixture, keras, RNN, LSTM, DistilBert.

Extra Curriculum Activities

Competitive programming	Problem-solving URI 170 and UVA 135. Participated in ICPC Asia Dhaka Regional Site Online Preliminary Competition.
Volunteering	ICPC 2023.
Club	BASIS Student Forum of BUBT Chapter Club.

References

Name	**Md.Rakibul Hasan Naym**, *Mid level Ai Engineer*
	HawkEyes Digital Monitoring Limited