Md Abdullah Al Hasib

MACHINE LEARNING ENGINEER

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📍 Gopalpur,Tangail, Bangladesh

EXPERIENCE

Machine Learning Engineer - remote (KBY-AI)   SEP 2023 – MAY 2024
- Design, develop, and optimize computer vision algorithms and models through GPU Servers
- Train, fine-tune, and optimize deep learning models and neural networks for monitoring the cow farms such as incident detection, animal counting, feed lane detection etc
- Integrate computer vision models into larger software systems or applications and deploy them into production environments. Engage in continuous learning and professional development activities.

Jr. ML Engineer - remote (Namespace IT)   JAN 2023 – FEB 2024
- Content Writer at aionlinecourse in Machine Learning, Deep Leanring, Computer Vision related articles
- Explore the updated technologies in the field of AI. Making projects in different domains of AI.

PERSONAL PROJECTS

License Plate Detection & Recognition (Project Demo)
- Developed License plate detection through YOLOv8, extract the region of the license plate.
- Read the license plate by easyocr and track the car with it's license plate with bytetracker in a video.

Sentiment Analysis (Project Demo)
- Developed an app through streamlit that is able to predict the sentiment of a text through textblob, Vader & transformers. Also comparison the performance of the models.

Forest Cover Type Prediction (Project Demo)
- Developed machine learning multi class classification problem, experimenting with different models as well as perform hyperparameter tuning to get the best parameters.

TECHNICAL SKILLS

Domain Expertise: Machine Learning, Deep Learning, Computer Vision, NLP, Generative AI, MLOPs
Languages: Python, R, HTML, SQL
Libraries: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, XGboost, OpenCV, Ultralytics, Pillow, Nltk, Gensim, TextBlob, Huggingface, Streamlit, Altair, Scikit Image, StanfordNLP
Frameworks: Tensorflow, Keras, Pytorch, Pytorch-lighting, Transformers, YOLO, Langchain, LlamaIndex, OPEN API, MLflow, DVC, AWS(Cloud), FastAPI
Developer Tools: Git, Github, VS Code, Docker, Linux, GPU Server(CUDA)
Soft Skills: Mentoring, Collaboration, Communication, Quick Learner, Time management

OPEN SOURCE CONTRIBUTION

- **NoCodeTextClassifier**: A Python package for Low Code/No Code Text Classification task   PyPI
- **eng_text_cleaner**: A Python package for Cleaning the text from unnecessary characters   PyPI

EDUCATION

Islamic University, Bangladesh   JAN 2019 – DEC 2024
Bsc in Computer Science & Engineering

VOLUNTEER & LEADERSHIP EXPERIENCE

President | IU Machine Learning and Data Science Club - IUMLDSClub   MAY 2024. - Present
- Mentoring Machine Learning & associate fields to the members.
- Helped members collaborate effectively and get things done.
- Manage club events and projects.