

Tanjina Piash Proma

Machine Learning Engineer

A highly motivated and passionate machine learning engineer with years of experience in Computer Vision and NLP. Proficient in developing and deploying ML models. Strong skills in Python, PyTorch, and Tensorflow.



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SKILLS

Machine Learning (ML)

Deep Learning (DL)

AI NLP

Computer Vision

Transformer Model

Python TensorFlow

C++ PyTorch

Scikit-learn Keras

Pandas Numpy

Matplotlib Docker

FastAPI Flask

OpenCV AWS

GitHub Actions

MLflow DVC

WORK EXPERIENCE

Machine Learning Intern

iNeuron.ai, India

06/2023 - Present

Achievements

- End-To-End NLP Text Classification system to categorize news articles into predefined categories using Transformers model BERT with 98.75% accuracy using PyTorch, Docker, FastAPI, GitHub Actions and AWS ECR, EC2.
- End-to-End Lung Cancer Classification using MLflow, DVC, Flask, GitHub Actions and AWS ECR, EC2.

Research Associate

Independent University, Bangladesh

01/2019 - 02/2022

Agency Lab

Achievements:

- National Medicine Image Database creation funded by the ICT Division, Government of the People's republic of Bangladesh.
- Analysis of CERN's very large particle data using machine learning.

Research Assistant

Independent University, Bangladesh

Achievements:

- Representing Team IUB Attendant as AI Lead in University Rover Challenge 2018 held in Utah, USA for autonomous rover navigation using GPS and vision-based path planning.
- Pill detection using intrinsic geometric shape, color, and text from pill images.

EDUCATION

BSc in Computer Science

Independent University, Bangladesh

2013 - 2017

Dhaka, Bangladesh

PUBLICATIONS

Medicine Recognition from Colors and Text

International Conference on Graphics and Signal Processing (ICGSP 2019)

Autonomous Rover Navigation using GPS Based Path Planning

Asia Modelling Symposium 2017 (AMS2017)

Vision Based Trajectory Following Robot along with Swarm Robotics

3rd International Conference on Control, Automation and Robotics (ICCAR 2017)

Medicine Recognition Using Intrinsic Geometric Property from Pill Image

Pacific Rim International Conference on Artificial Intelligence (PRICAI 2016).