

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.

tanjinaproma@gmail.com

+8801919471971

Dhaka, Bangladesh

tproma.github.io/

linkedin.com/in/tanjinaproma

github.com/tproma

WORK EXPERIENCE

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.
- Face recognition for biometric security solutions.
- Analysis of CERN's very large particle data using machine learning.
- Video captioning with NLP (Attention Network building from video feature streams).

Research Assistant

Independent University, Bangladesh

01/2016 - 12/2018

CSE Department

Achievements:

- Representing Team IUB Attendant as AI Lead in University Rover Challenge 2018 held in Utah, USA.
- Autonomous rover navigation using GPS and vision-based path planning.
- Path generation, update, and modification of rover maneuver map and onboard camera depended object detection in real life terrain in MDRS, Utah, USA.
- Pill detection using intrinsic geometric shape, color, and text from pill images.
- Raspberry Pi Controlled Image Processing Based Line Follower.

R&D Engineer

Bitec Software

10/2017 - 06/2018

Tasks:

- Machine Learning algorithm implementation analysis.
- Proposal writing, scope, objective analysis, documentation, and presentation in the Prime Minister's Office of Bangladesh.

EDUCATION

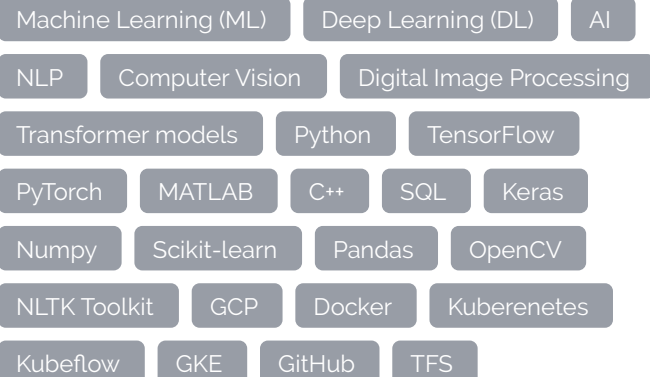
BSc in Computer Science

Independent University, Bangladesh

2013 - 2017

Dhaka, Bangladesh

SKILLS



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).

COURSERA CERTIFICATIONS

Deep Learning Specialization

Natural language Processing Specialization

Machine Learning in Production (MLOps)

DeepLearning.AI TensorFlow Developer Professional Certificate

Data Engineering, Big Data, and Machine Learning on GCP Specialization