

MD. TASFIQ KAMRAN

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Aspiring Data Scientist and Machine Learning enthusiast with a strong commitment to continuous learning and professional development. Eager to leverage advanced analytical skills and a passion for innovation to drive meaningful contributions to both the company and society.

Skills

Machine Learning

- **Programming Language:** Python
- **Frameworks/Library:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Fast.ai, Fastbook, Hugging Face, Opencv, Collections, OS, Glob, Tqdm,
- **ML Algorithms:** Regression, Classification, Recommendation system (Exploring), KNN, SVM, Decision Trees, Random Forest, LightGBM
- **DL Algorithms:** CNN, ResNet, U-net, PSPnet, Barlow Twins, GAN, Autoencoder, Denoising, Deblurring

Web Scraping:

- **Library:** BeautifulSoup, Selenium, Scrapy

Web Development:

- **Framework:** Flask, Django (exploring)

Database Management:

- **SQL:** MySQL

Development Tools: Jupyter Notebook, Google Colab, Kaggle, Git, GitHub, SQL, VS Code, Trello.

BI Tools: Tableau

OS: Linux, Windows 10 / 11

Personal Traits: Leadership, Teamwork, Time management, Communication, Desire to learn, Quick learner, Decision making, Problem solving, Critical thinking, Analytical thinking

Others: Research, Project management, AI model pipeline development and deployment, Model implementation, Data Analysis, Documentation & presentation.

Education

- **Hajee Mohammad Danesh Science & Tech. University**
BSc (Engineering) in Electrical and Electronic Engineering
CGPA: 3.26 / 4.00 Passing Year: 2022

- **University Laboratory College**
Higher Secondary Certificate (HSC), Science
CGPA: 4.75 / 5.00 Passing Year: 2015

Work Experience

1. MasterCourse Bangladesh

TA (Data Science) (June 2024 - Present)

- Assisting the course instructor
- Engaging with the students to solve problems

Data Scientist (Trainee) (April 2023 - Oct 2023)

- Completed 4 industry grade projects.

2. Innovative Skills BD

Machine Learning Engineer (Dec 2023 - May 2024)

- Implementing ML models and training to solve problems.
- Tackling computer vision problems

TA & Course Instructor (Dec 2023 - May 2024)

- Assisting the course instructor and conducting workshops.
- Managing students, preparing questions and class materials.

Relevant Projects

Body Measurement

- Implementation of Body Measurement model following a the paper [Human Body Measurement Estimation with Adversarial Augmentation](#)

Technology used: Python, Pytorch, Pandas, Matplotlib, OpenCV, Dagshub

Face Recognition

- Face recognition without explicit model training.
- Usage in Attendance system, security system etc

Technology used: Python, Insightface, Decord, Opencv

Multi-label text classifier with integrated transcriber and summarizer (NLP project) [github](#) | [App](#)

- Transcribes video/audio, classifies, summarizes and extracts important topics
- Can be used for summarizing and extracting topics from videos, audios or long text
- Deployed on Onrender and Hugging Face spaces

Technology used: Python, Selenium, Geckodriver api, Pandas, Hugging Face transformer, Blurr, Flask, Onnx, Git

Bangladesh property data analysis [github](#) | [App](#)

- Analyzing and visualizing one of the biggest property data of Bangladesh
- Finding key aspects that affects the price I
- Training various machine learning regression models

Technology used: Python, Numpy, Pandas, Scikit-learn, Regression algorithms (Linear regression, Decision Tree Regressor, Random Forest regressor)

Co-curricular activity

1. Into the Computer Vision - Classify, Segment, Detect or Generate: Can your machine do it.

Prize: Project Stipend 35K, (Organized by Innovative Skills BD) - (Completed as one of the Top performer)

References

- **Salman Md Sultan** | CEO | Innovative Skills BD
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