CONTACT

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📍 Mirpur, Dhaka, Bangladesh

MD. RAZWANUL ISLAM TANVIR

PORTFOLIO

GitHub: https://github.com/Ritanvir

Behance: https://www.behance.net/razwanultanvir

Linkedin: https://www.linkedin.com/in/ri-tanvir/

Portfolio: https://sites.google.com/view/razwanul-islam-tanvir

WORK EXPERIENCE

INTERN (IT & MARKETING) , NSU STARTUPS NEXT   **July 2024 - December 2024**

- Generating and implementing ideas to increase the brand presence
- Communicating with Agencies and ensuring the quality contents (QAC)
- Meeting arrangement (both internal and external)
- Communicating with pre-incubation, incubation, and graduate teams.
- Designing visuals as per requirements.
- Maintain official website.

TECHNICAL SKILLS

Fontend (html, css, javascript)
Backend (node js, Django, Mongobd)
Language (c++, python, php, java)

Visual Design (Adobe photoshop, illustrator, Figma)
Flutter

Pytorch
Git hub

PROJECTS   For a comprehensive list, visit my **Github** Profile

Quantum Error Correction with Hybrid Autoencoders for Image Processing   **Teach Stack: python. QML, CML,pyTorch**

- a hybrid quantum-classical autoencoder that reconstructs images corrupted by various noise types using unaffected latent features. The model combines variational quantum circuits with classical convolutional networks and shows high reconstruction fidelity on MNIST, Cifar-10, and Omniglot datasets.

Music Genre Classification Using ML Model   **Teach Stack: python, Anaconda, kaggel**

- Develops a machine learning-based stacking ensemble approach for accurate music genre classification, achieving 93.42% accuracy and a 0.93 F1 score. It enhances music distribution, contribution tracking, and recommendation systems, advancing automated genre prediction.

MerakiNexsus- Ai driven creativity secured by Defi   **Teach Stack: html, css, javascript, python, MongoBD, Ganache**

MerakiNexus is an innovative platform that connects artists with hosts using AI-driven scoring and a tokenized economy. Artist artworks are evaluated based on aesthetic quality, sentiment, and memorability scoring. I have used ResNet50, AlexNet, Vision Transformer, and EfficientNet for training, and compared their test results with optimized hyperparameter tuning. The best test accuracy for our classification task is 84.09%. Based on these scores, artists are rewarded with tokens. Hosts can use tokens to collect artworks from various artists. The project aims to empower artists to connect them with hosts, which will promote creativity on a decentralized platform secured by DeFi.

PUBLICATION

A. Shahed, S. R. Khan, M. R. I. Tanvir, M. A. Qayum, T. H. M. Redwan, and R. Khan, "Music Genre Classification Using Explainable Machine Learning and Stacking Ensemble Models," ITIKD 2025, Dhaka, Bangladesh, 2025, pp. 1-10.

EXTRA-CURRICULAR ACTIVITIES

JOINT SECRETARY, NSU HR CLUB

- Continuously Led a team of 200+ members. One of the most prestigious designations at North South University which is approved by student affairs of NSU and led IT department of the club. Developed a website for the club.
- Organized recruitment for summer 2022 & Fall 2022.
- Organized HR SPEAKS OUT 4.0.
- Organized member development program (MDP)
- Designed Poster and helped to organize online webinar "HR RETHINK "
- Attended 30+ sponsorship meetings.
- Organized biggest Nation's biggest HR-based case competition "HR Calibration 4.0"

**Qualified for 2nd round at NASA SPACE APP CHALLENGE (Desing website using Figma),
Qualified for international evaluation round at MICROSOFT IMAGINE CUP**

EDUCATION

Bsc in Computer Science & Engineering, North south University   **July 2020- April 2025**

REFERENCE

Dr. Mohammad Abdul Qayum(Thesis supervisor)
Assistant Professor, North South University
EMAIL: mohammad.qayum@northsouth.edu