

Tahmidul Bin Ferdous

 tahmidulkashfi15@gmail.com

 Chattogram, Bangladesh

 LinkedIn

 Leetcode

 tahmidkashfi.dev

 +8801630620988

 Github

 Kaggle

 Codeforces



EXPERIENCE

07/2026 – 12/2026

Remote, USA

FlyRank AI, Machine Learning Engineering Intern

11/2024 – 02/2025

Remote

Outlier AI, AI Data Labeling Specialist

- Annotated and labeled large-scale datasets for machine learning model training with focus on data quality and consistency.
- Collaborated with teams to refine annotation guidelines and improve dataset accuracy across multiple AI projects.

11/2024

remote, USA

Freelance Project, Computer Vision Engineer (Contract)

- Developed and deployed a packet counting system using computer vision achieving real-time performance for inventory automation within 15-day timeline.

EDUCATION

2022 – 2026

Chattogram,
Bangladesh

Bachelor of Science in Computer Science & Engineering,
International Islamic University Chittagong

TECHNICAL SKILLS

Languages

Python, SQL, C++

Specializations

Computer Vision, Deep Learning,
Fine-Tuning LLMs, NLP, Object
Detection, GAN, Diffusion model,
Trans- former model

Frameworks / Tools

PyTorch, TensorFlow, OpenCV,
Mediapipe, YOLO, ONNX,
Transformers, OLLAMA, Label-
Studio, Docker, Git, Linux

Libraries

NumPy, Pandas, Matplotlib, Scikit-
learn, Albumentations, FaceNet

CERTIFICATIONS

Sequence Models

– DeepLearning.AI (Coursera) [↗](https://www.coursera.org/account/accomplishments/certificate/VG3F3QYWC9PG)
<https://www.coursera.org/account/accomplishments/certificate/VG3F3QYWC9PG> [↗](#)

Neural Networks and Deep Learning

– DeepLearning.AI (Coursera) [↗](https://www.coursera.org/account/accomplishments/certificate/Z8ERPLQ3CLFZ)
<https://www.coursera.org/account/accomplishments/certificate/Z8ERPLQ3CLFZ> [↗](#)

Convolutional Neural Networks

DeepLearning.AI (Coursera) [↗](https://www.coursera.org/account/accomplishments/verify/URKXK7BZC8JY)
<https://www.coursera.org/account/accomplishments/verify/URKXK7BZC8JY> [↗](#)

Data Scientist: Machine Learning Career Path

Codecademy [↗](https://www.codecademy.com/profiles/kashfi20/certificates/8e9e59de3f924b33ad2371faf667129b)
<https://www.codecademy.com/profiles/kashfi20/certificates/8e9e59de3f924b33ad2371faf667129b> [↗](#)

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

– DeepLearning.AI [↗](https://www.coursera.org/account/accomplishments/verify/PH5R5XW9ZUC3)
<https://www.coursera.org/account/accomplishments/verify/PH5R5XW9ZUC3> [↗](#)

PROJECTS

BanglaPoemGPT, Built a 10M parameter GPT-1-like autoregressive transformer from scratch for Bengali poetry generation. Trained on 3M-token dataset using character-level tokenization on Kaggle P100 GPU.

Technologies: Python, PyTorch, Transformers, NLP

ID Card Wearing Detection, Trained YOLOv11 model on custom IIUC dataset with Albumentations augmentation, achieving mAP50 of 0.82 for real-time campus security monitoring.

Technologies: Python, YOLOv11, PyTorch, Albumentations

Facial Attendance System, Built facial recognition system using SSD detection and FaceNet embeddings with cosine similarity verification, optimized for mobile deployment.

Technologies: Python, OpenCV, TensorFlow, FaceNet

Face Mouse for Disabled, Created facial movement-based mouse control system tracking nose for cursor movement and eye blinks for clicks, enabling hands-free computer interaction.

Technologies: Python, OpenCV, Mediapipe

Bus Counting and Tracking,

Implemented YOLOv11-based system to detect, count, and track university buses in video feeds for traffic automation.

Technologies: Python, YOLOv11, Computer Vision

Bengali Digits DCGAN, Trained Deep Convolutional GAN from scratch to generate Bengali digits, implementing complete training loop and adversarial training dynamics.

Technologies: Python, PyTorch, DCGAN [↗](#)

Hand Tracking Drawing, Developed real-time hand tracking drawing app with gesture-based controls for drawing, erasing, undo/redo, and color change via webcam.

Technologies: Python, OpenCV, Mediapipe