MEHEDI HASAN NIROB

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SUMMARY

Experience in developing and deploying Python-based backend and AI applications, with a focus on APIs, machine learning models, and production-ready solutions. Proficient in Python, Flask, FastAPI, TensorFlow, and OpenCV, with practical exposure to end-to-end development. Strong problem-solving ability and a collaborative mindset to contribute effectively to team-driven projects.

EDUCATION

DHAKA INTERNATIONAL UNIVERSITY

B.Sc in Computer Science and Engineering
GPA: 3.71   January 2020 – January 2024

SKILLS

- *Problem Solving* at *Codeforces*, Hackerrank
- Python, C++, C, Dart
- Flask, FastAPI, Html, Css, SQL
- NumPy, Pandas, Matplotlib, Scikit learn, OpenCV, YOLO, Tensorflow LSTM, GRU, VGG, ResNet, MobileNet
- Linear/Logistic Regression, SVM, Random Forest, Decision tree, CNN

CERTIFICATIONS

- Introduction to *TensorFlow* for AI, ML, DL
- *CNN* , *NLP* in Tensorflow from Coursera.
- Supervised *Machine learning* Certificate from Coursera.
- Face Detection with *OpenCV* in Python from Great Learning.
- *Problem-solving* with *python* from HackerRank

REFERENCE

Md. Habibullah Belali

Assistant Professor
Dept. of CSE, Southeast University
Phone: +8801718711254
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PROFESSIONAL EXPERIENCE

Artificial Intelligence (AI) Engineer

EraVend GmbH & Co. KG. | June 2024 - February 2025 | Remote

Coders- AI Training

Scale AI | Remote

CP Problem Annotator

Acade.Studio | Remote

THESIS PROJECT

Deep Learning based approach to detect violence   *Github*

- Created a unique video dataset, which contains 1000 videos
- Used several Deep learning model.
- Developed an Flask application to automate this task.
- Reducing reliance on human monitoring. our system identifies violent incidents, sends alert emails with detected frames and also violence location, and significantly improves response times.

PROJECTS

- Backend API for my personal portfolio built with FastAPI *Github*
- AI Assistant Platform for Q&A, Generate Image, Content *Github*
- Object Detection Using pre-train model YOLO v8 *Github*
- Hand Digit Classification using Neural Network *Github*
- Simple dynamic chatbot using NLTK *Github*
- Age and Gender detection using OpenCV *Github*
- Human Resources Analytics using several machine learning algorithm *Github*
- Car insurance claim prediction using several machine learning algorithm *Github*
- Heart Disease prediction using Logistic Regression *Github*
- Diabates disease prediction using SVM *Github*
- Loan status prediction using SVM *Github*
- Spam mail prediction using Logistic Regression *Github*
- Here is my all python code includes OOP, DSA, Machine Learning Libraries and solved problem of Codeforces and Hacker rank *Github*

ONLINE JUDGE

1. *Github* 2. *Codeforces* 3. *Hacker Rank* 4. *LeetCode* 5. *Kaggle*