ABRAR FAIAZ ADNAN

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PROFILE SUMMARY

Currently a Software Engineer working at Tiger IT Bangladesh in R&D team. Working with machine learning algorithms for face and object detection. Have hands-on experience in developing machine learning models, applying data mining techniques, and utilizing statistical analysis to derive valuable insights from complex data sets.

I also possess a diverse skill set in various technologies, including REST API, Selenium, and Tableau. I am seeking a challenging new role that will allow me to leverage my skills and experience to drive innovation and growth.

PROFESSIONAL EXPERIENCE

Software Engineer (R&D)   June 2023 – Present

Tiget IT Bangladesh Ltd

- Worked on developing and optimizing face, character and object detection algorithm that can work in various lighting conditions and angles and also in low resolution with high speed and accuracy
- Worked with face spoofing algorithms to detect fake images in face identifications systems.

Intern   Feb 2020- Mar 2020

a2i programme

- Appended and verified data of thousands of educational institutions on a national database in my 30 days tenure

EDUCATION

M.Sc. in Information Systems Security   Ongoing

Bangladesh University of Professionals

B.Sc. in Information and Communication Engineering   Feb 2017- Jul 2021 | CGPA 3.56

Bangladesh Army University of Engineering & Technology

SKILLS

ML:
FastAI, TensorFlow, PyTorch, Huggingface, ONNX, OpenVINO and OpenCV

Database:
MySQL, MongoDB, and MS SQL

Soft Skills:
Team management and Project management

Programming Languages:
C/C++, Java, Kotlin, Python, C#, and JavaScript

PUBLICATIONS

Violence Classification and Detection Using Regional Data of Bangladesh: An AI Approach : BAUET Journal

My B.Sc thesis paper in which I've collected and annotated the dataset.

ACHIEVEMENTS

BAUET Intra University Programming Contest

- Secured 2nd Runners Up position out of 100+ teams

Sheikh Kamal Incubation Center, Rajshahi

- Placed in the top 15 on a startup contest out of 150+ teams

Skill Quiz 2.0 by Youth Development Factory

- First position in University Category

PROJECTS

Open-Source Contributions (See it here)

- Made significant contributions to a high-profile repository with over 90 thousand views
- Designed and implemented an error-checking function to show results instantly

Speech Analyzer (Try it here)

- Analyzes speech video and generate five unique types of analysis and review
- Providing valuable insights for decision-making and improving communication strategies

Multilabel Game Genre Classifier (Try it here)

- A BERT-based model that analyzes genres from video game descriptions
- Accurately classifies up to 74 genres with 96.4% accuracy

Vehicle Image Recognizer (Try it here)

- Utilized fine-tuned resnet34 model to identify and classify vehicles with high accuracy
- Recognizing up to 33 different types of vehicles

Upwork Scraper (See it here)

- Implemented a fault-tolerant Selenium script to login and extract data from Upwork

Metacritic Game Data Analysis (See it here)

- Scraped all game data available from metacritic.com
- Made a visualization of the analysis in the Tableau dashboard

REFERENCES

Mohammad Sabik Irbaz

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Monirul Islam Bhuiyan

Broadcast Engineer (BTV), Prime Minister's Office, Tejgaon, Dhaka

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