ABRAR FAIAZ ADNAN

ML ENGINEER, DATA ANALYST AND SOFTWARE ENGINEER

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PROFILE

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 or queries, ETL/ELT process 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.

EXPERIENCES

Tiger IT Bangladesh Ltd.
Software Engineer (R&D)
June 2023 - Present

- Developed and optimized face, character, and object detection algorithms for various lighting conditions, angles, and low resolutions, achieving high speed and accuracy.
- Implementing face spoofing detection algorithms to enhance security in face identification systems, successfully identifying fake images with high accuracy.
- Worked with implementing vehicle and license plate detection with 95%+ accuracy, annotating 100k+ images with 100+ labels.

a2i programme
Intern
Feb 2020 - Mar 2020

- Appended and verified data for 1000+ educational institutions on a national database, ensuring data accuracy and completeness for critical educational records.

TRAINING

Dokkho Data Science Program
Nov 2022 - May 2023

- Gained expertise in data science with hands-on training with different tools and frameworks.
- Completed 4 capstone projects demonstrating proficiency in Data Science and Machine Learning

CERTIFICATIONS

Google Cloud Basics (Click Here)
April 2021 - May 2021

- Had basic tutorials on Google Cloud Platform on Image Processing and Language processing and other processes.

EDUCATION

Bangladesh University of Professionals
(Pursuing)
M.Sc. in Information Systems Security

Bangladesh Army University of Engineering & Technology
2017 - 2021 | CGPA 3.56
B.Sc. in Information and Communication Engineering

SKILLS

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

Database:
MySQL, MongoDB, and MSSQL

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

Data Analysis:
Tableau, Data ETL process, and Data Mining

Soft Skills:
Adaptability, Team management, and Project management

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 and trained a model to detect armed people in violent situations.

PROJECTS

Open Source Contributions

- 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

- 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

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

Vehicle Image Recognizer

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

Data-Driven Ranking of Top CS Universities

- Used Selenium to scrape data from the CS Rankings website
- Provided visual insights on scraped data in Tableau

Upwork Scraper

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

Metacritic Game Data Analysis

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

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

REFERENCES

Mohammad Sabik Irbaz

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Md. Rajib Hossain, Ph.D.

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