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 variaous lighting condtions and angles and also in low resolution with high speed and accuracy

Trainee Data Scientist   Nov 2022 – May 2023

MasterCourse Bangladesh Ltd

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

Associate Software Developer   Mar 2022 – Aug 2022

Shade Exim Ltd

- Developed customized ERP apps on Android Studio, resulting in streamlined business processes
- Optimized app performance by integrating it with MS SQL Server

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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