

ABRAR FAIAZ ADNAN

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PROFILE SUMMARY

Currently a Software Engineer working at Tiger IT Bangladesh Ltd. in R&D team. Working with machine learning algorithms for face and object detection. I have hands-on experience in developing ML models, applying data mining techniques, and utilizing statistical analysis to derive valuable insights from complex datasets. I also possess a diverse skill set in various technologies like, REST API, Selenium, and visualization tools like 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

Tiger IT Bangladesh Ltd.

- Developed and optimized face detection and alignment, character and object detection algorithms for various lighting conditions, angles, and low resolutions, achieving high speed and over 99% accuracy.
- Implementing face spoofing detection algorithms to enhance security in face identification systems, successfully identifying fake images with high accuracy.
- Developed license plate identification and detection system, annotating 100k+ images with 100+ labels. with 95%+ accuracy.

Intern (E-Nothi Department) Feb 2020– Mar 2020

a2i programme

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

TRAINING

Dokkho Data Science Program 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 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

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

Data Analysis:

Tableau, Data ETL process, and Data Mining

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
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PROJECTS

Open-Source Contributions ([See it here](#))

- Made significant contributions to a high-profile repository with over 950 stars
- 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

Data-Driven Ranking of Top CS Universities ([See it here](#))

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

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
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REFERENCES

Mohammad Sabik Irbaz

George Mason University, Fairfax, VA, USA

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Md. Rajib Hossain, Ph.D.

Senior Software Engineer (R&D)

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