

Fabliha Fairooz

Artificial Intelligence Engineer

Nakahara-ku, Kanagawa, Japan

(070) 1516-0986

Email: fablihafairooz2021@gmail.com

Portfolio Link:

<https://fabliha-bd.github.io/site/>

Linkedin :

<https://www.linkedin.com/in/fabliha-fairooz-a60439a0/>

EXPERIENCE

Mass Holdings Co. Ltd. , Tokyo — Artificial Intelligence Engineer

March 2022- PRESENT

- **Sales Forecasting:** FBProphet (best accuracy with holiday effects), Contributed to data processing and applying FBProphet.
- **Realtime Hair Color simulation** - Contributed to the algorithm for making haircolor natural, created algorithm for detecting long and short hair and 2 color blending. Also did Data preprocessing (augmentation, mapping, batching, etc.)
- **Reverse Image Search** - Contributed to Background removal (python rembg along with custom algorithm), Text recognition (Keras OCR), Barcode detection (pyzbar).
- **Hairstyle Generator:** Contributed to time optimization for generating hairstyles and combining MobileStyleGAN with HairFit model.

Shohoz , Dhaka, Bangladesh — Jr. Data Scientist

Nov 2020 - Oct 2021

- **Fraud Detection:** Implement algo for detecting device level fraud, syndicate fraud, provider footprint based fraud, pattern fraud etc.
- **Sales Forecasting:** Data processing for applying FBProphet
- **Data processing :** Made the scripts automated (data cleaning,mining)
- **Data analysis :** Developed Python scripts for user base analysis, retention analysis, transaction analysis, gross merchandise value analysis, overlapping users in different platform analysis etc.
- **Data pipeline :** Develop scripts for transferring data from MongoDB to Mysql
- **Providers profiling:** Develop custom algorithm for scoring and profiling delivery men based on traveled distance.

Anyconnect, Dhaka, Bangladesh — Test Automation Engineer

Nov 2019 - Oct 2020

- **Automated Testing Scripts** for Anyconnect smarter camera application testing (Appium, Selenium, Espresso, UI Automator) **Regression testing**, **Documentation** for Raspberry pi based camera firmware installation, **Deployment** of AI Containers, **Codebase investigation** to optimize Memory leakage issue

Research

- **Investigation of the evaluation techniques to analysis dissected human brain data tractography :** Efficiency comparison of diffusion MRI algorithms (Hungarian, LAPJV algorithm , Greedy) . Statistical Analysis of neuron's voxel size, stream length, streamlines etc. (python Dipy, SciPy, tkinter, fvtk)

SKILLS

Programming Language: Python, Java

Data Science: Machine Learning, Deep Learning

Data Engineering: Data Processing, Cleaning, Augmentation, Visualization etc.

Backend: Flask, Django

Others: ProblemSolving

AWARDS

- **Champion** at [Robi BDApps 24 Hour Hackathon](#)
- **2nd Runner Up** at [IT Business Idea Challenge, BUP ICT FEST](#)
- **2nd Runner Up** at Mindsparks by AUST
- **4th position** Intra AUST Programming Contest 2017

LANGUAGES

English (IELTS overall band score 7), Japanese (N5 level), Bengali (Native), Hindi (Speaking)

ADDITIONAL VALUES

- IELTS (Overall Band Score 7)
- Well presentation skill
- Regular Participation in various Inter-University Programming Contests including ACM ICPC (2016) and National Girls Programming Contest (2016-16th,2017 -19th).

EDUCATION

Ahsanullah University of Science and Technology, Bangladesh — B.Sc in Computer Science and Engineering

May 2015 - July 2019