

# MD. ASIF IQBAL FAHIM



**Kaggle Competition Expert(x2) | NLP Mentor(Coursera) | Researcher(ML) | Backend Developer**

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Portfolio: <https://aifahim.github.io/>

in [linkedin.com/in/aifahim](https://www.linkedin.com/in/aifahim)


github.com/AIFahim

k [kaggle.com/AIFahim](https://www.kaggle.com/AIFahim)  [datascience.stackexchange.com/users/109134/aifahim](https://datascience.stackexchange.com/users/109134/aifahim)  <https://scholar.google.com/citations?user=O3FCNKkAAAAJ>

## EDUCATION

B.Sc. in Computer Science and Engineering

**Green University of Bangladesh**

 Sep 2017 – Feb 2021

- **CGPA: 3.57 out of 4.00** | Ranked 2<sup>nd</sup> in Batch | Received (2 times) **Dean Awards** for excellent Academic Performance.

## WORK EXPERIENCE

Junior Research Assistant


**Research Hub.Inc, Dhaka**

 Sep 2021 – Present

- Research on Efficiently Convert Time Series Data to Image & DeepLearning Modeling for Credit Card Fraud Detection.

NLP Specialization Mentor & Alpha Tester


**Deeplearning.AI, USA**

 February '21 – May '21 | July '21 - Present

- Support new learners & Providing feedback to course staffs. Course curriculum alpha testing before published to the Coursera.

Data Scientist - Independent Contractor


**Ilekun Health, USA**

 May 2021 – July 2021

- Aggregate NYC borough's dentist data by web scraping (**Selenium & Scrapy**), Data cleaning, Predictive modeling.

Machine Learning Developer - Intern


**Technocolabs, India**

 Oct 2021 – Nov 2021

- Performed EDA, Feature Engineering, Data Cleaning.
- **Predictive Modeling** for Predict Spotify Track Skips.

Data Science - Trainee

**CRIDA, Canada Based Organization, Dhaka**

 March 2021 – June 2021

- Participated in chemical images captioning Kaggle Competition "Bristol Myers Squibb Molecular Translation" collaborated with team.
- **Build Attention Based LSTM Networks**, Used TPU Strategy - Distributed Training for large amount of Dataset, Used Frameworks Like Pytorch, Tensorflow.

Android Programmer - Intern


**SDMGAP Project (Govt. Project, Dhaka)**

 November 2019 – May 2020

- Worked with **MVVM Pattern**, **Rest API**, **Firestore**, **MLKit**, **Google Sceneform** in fast-paced environment, wrote maintainable and reusable Java and Kotlin Code.

Core Team-member & Contributor

**International AI-based Dhaka Traffic Detection Challenge, Green University of Bangladesh, Dhaka**

 October 2020 – December 2020

- Responsible for data **acquisition** & contribute **Flask JSON Web Token** in Competition Website for Security.

## HACKATHONS/PROJECT COMPETITIONS

**Nasa Space Apps Challenge '20**

Champion | Global Nominee (LINK)

**Nasa Space Apps COVID-19 Challenge '20**

Honorable | Global Problem Solver. (LINK)

**Facebook Messaging Hackathon '20**

Honourable | Swag. (LINK)

**Nasa Space Apps Challenge '19**

Top 40 in Regional | Honorable. (LINK)

**COVID-19 Global Hackathon 2.0**

Honorable (LINK)

## TOP PROJECTS

**Camera Beautify - AI Face Recognized Android Application**

- Bangladeshi traditional AI based Camera Stickers & Face Beautify Android App made with backend model tflite version of Mobilenet SSD, OpenCV & Android Components.

**New Connection Chat Bot**

- Python backend conversational Telegram Chat Bot for help depressed peoples. Google Dialogflow integrated into the software to become more intelligent.

**Customer Car Purchased Group Classification and Prediction**

- Support Vector Machine on Tabular Dataset contains Gender, Age & Estimated Salary attributes for Predicts Car Purchased Group. Project involves data pre-processing, Feature Scaling, Statistical Analysis i.e, confusion metrics.

**Rest 14 projects are listed :**

<https://aifahim.github.io/#project>

## PUBLICATION

- **Md. Asif Iqbal Fahim, Feroza Naznin, Mohammad Ali Moni and Dr. Md Zahidul Islam, "Improved Transfer Learning Architecture to Classify Covid-19 Affected Chest X-Rays using Noisy Student Pre-training," ICIEV & ICIVPR, JAPAN.**

## ML ACHIEVEMENTS & ACTIVITIES

- **"Expert" in Kaggle ML/DL Competitions** - Rank **Top 1%** among 177K+ & **"Expert" in Kaggle Discussions Forum** - Rank **Top 0.3%** among 269K+ active Kaggle users worldwide.
- **PetFinder.my - Pawpularity Contest, Kaggle** - Silver Medal Rank in Top 2%
- **G2Net Gravitational Wave Detection, Kaggle** - Bronze Medal Rank in Top 10%
- **Bristol-Myers Squibb – Molecular Translation, Kaggle** - Rank in Top 13%
- **Cassava Leaf Disease Classification, Kaggle** - Rank in Top 16%
- **Dhaka AI Traffic Challenge, GUB-** Finished at 45<sup>th</sup>.
- **Top 6%** Contributor to **Data Science Stack Exchange** in 2021.
- **AWS Machine Learning Scholarship Program, Udacity - Scholar**

## TECHNICAL SKILLS

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- **Languages:** Python, , R, Java, Kotlin, C/C++, JavaScript
- **Lib/Frameworks:** TensorFlow, Pytorch , React, jQuery, Flask, JUnit
- **Tools:** Google Colab Environment, Kaggle Environment, Android Studio IDE, Pycharm , VS Code
- **Platforms:** Google Cloud Platform, , Heroku , AWS
- **Databases:** SQL, Cloud Databases

## PROBLEM SOLVING ACTIVITIES

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- CSE CARNIVAL ,GUB 18 & 19 - **Champion**
- ACM International Collegiate Programming Contest '18 & '19 - **Honorable**
- National Collegiate Programming Contest '20 , MIST - **Honorable**
- IUPC SUST '19 - Ranked 27<sup>th</sup>
- Inter University Programming Contests : BUET '18 , GUB '18 and RUET '19. - **Honorable**

## CERTIFICATIONS

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- Deep Learning Specialization , DEEPLARNING.AI, Coursera.
- Tensorflow Developer Specialization,DEEPLARNING.AI Coursera.
- AI for Medicine Specialization , DEEPLARNING.AI, Coursera.
- Generative Adversarial Networks (GANs) Specialization , DEEPLARNING.AI, Coursera.
- Natural Language Processing Specialization , DEEPLARNING.AI, Coursera.
- Intro to ML: Image Processing , Qwiklabs.
- Intro to ML: Language Processing , Qwiklabs.
- Android App Development Specialization , Vanderbilt University, Coursera.

## ADMINISTRATIVE EXPERIENCE

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- **Advisor**, IEEE GUB Student Branch
- **Programming Secretary**, Green University Programming Club
- **Joint General Secretary**, Green University Reading Society

## VOLUNTARY EXPERIENCE

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- **Volunteered Programming Instructor**, Green University Programming Club
- **Academic Student Mentor**, Green University of Bangladesh
- Participated in **Inter University Parliamentary Debate Competition**.

## SOFT SKILLS

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Leadership, Ability to Work Under Pressure, Decision Making, Time Management, Adaptability, Teamwork, Creativity

## LANGUAGES

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English,Bengali

