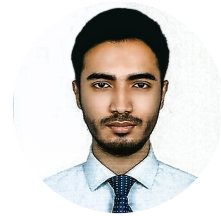# TAKRIM RAHMAN ALBI

Software Engineer | Data Scientist

@ takrim.rahman.albi@g.bracu.ac.bd 📞 +880-1625212429
📍 Mirpur-12, Dhaka- 1216, Bangladesh 🌐 innovative-everyday.com
🌐 takrim-rahman-albi.github.io/ in takrim-rahman-albi ○ Alvi-Rahman

EXPERIENCE

Software Engineer
UPAY (UCB Fintech Company Ltd)

📅 December 2021 – Ongoing 📍 Dhaka, Bangladesh

Software Engineer
Go Zayaan

📅 March 2021 – December 2021 📍 Dhaka, Bangladesh

Mentor | CQA
DeepLearning.AI

📅 August 2021 – Ongoing 📍 Remote, United States

Mentor | Data Scientist
Omdena

📅 April 2021 – Ongoing 📍 Remote, United States

Software Engineer
Codeware Limited

📅 August 2020 – March2021 📍 Dhaka, Bangladesh

CO-CURRICULAR ACTIVITIES

- Member at youth Moch Parliament (2016)
- Design For Change (BRAC University RS Activity)
- Conducted various AI and ML workshops in *Data Science For Good* community

PROJECTS

Development Projects :

Upay Backend

🌐 upaybd.com 🤖 Android 🍎 IOS

Go Zayaan Backend

🌐 gozayaan.com 🤖 Android

All Social Media Under One Platform

🌐 admin.idesk360.com 🌐 app.idesk360.com

Tech Review Site

🌐 gsmriders.com

PROFILE

Having a curious mind and always willing to learn, I am an enthusiastic software engineer who is ready to take challenges and provide something state of the art not only to the science community but also to the business domain.

EDUCATION

BSc. in Computer Science and Engineering
BRAC UNIVERSITY

📅 2016 – 2020 📍 Dhaka, Bangladesh

CGPA - 3.54 out of 4

SKILLS

Software and System Engineering

- Design Microservices, Monolithic, SOA, Distributed, Financial Systems and SDKs
- Usage of Load Balancing, Elastic Search, MQ, Hashing, PS model, Task Scheduling, Signal, Transaction and Caching
- Django, Flask, React, Node, Bootstrap
- Database Design, Optimization with ORM, RDBMS and No-SQL (MongoDB, Firebase)
- Token Based authentication, authorization, permission and social app management
- Build Fast, Efficient, Scalable and Secured Software Systems.
- Design and implement RESTful and SOAP APIs with Serialization
- DevOps, Git Expert, CI/CD and Deploy
- Expertise In Complex Data Structure and Algorithms

Data Science

Experienced in:
- ML and DL algorithms from scratch
- Data Pre-processing, creating Data and Model Pipelines, EDA, Graph Analytics
- Specialized in Deep Learning Frameworks such as Tensorflow, Keras, PyTorch, Trax
- Scikit-learn, Numpy, Pandas, Matplotlib, Seaborn, NetworkX, OpenCV, Pillow, SpaCy, NLTK, Nilearn, Hadoop and Spark

Full Stack Developer of Personal Blog and Content Writer

🌐 innovative-everyday.com

Cleaning Service Shop

○ Alvi-Rahman/Friendly-Neighbourhood-Shop

Simple To-Do App Using Django-Rest Framework

○ Alvi-Rahman/TODO-APP

Data Science and AI Projects :

Paraphrase Tool Using Neural Machine Translation

○ Alvi-Rahman/Paraphrase-Tool-NMT

Deep Learning Projects (DeepLearning.ai)

○ Alvi-Rahman/Deep-Learning-Coursera—deeplearning.ai

GAN Projects

○ Alvi-Rahman/GAN-Specialization

Natural Language Processing (Coursera)

○ Alvi-Rahman/Natural-Language-Processing-Specialization

Stanford Machine Learning (Coursera)

○ Alvi-Rahman/Coursera-Machine-Learning-Andrew-Ng

Tensorflow in Practice (Coursera)

○ Alvi-Rahman/Tensorflow_in_practice_Coursera

Python Data Science (Scikit-Learn and ML)

○ Alvi-Rahman/Python_Data_Science_and_Machine_Learning

Some Other Mentionable Projects :

CAT-Chain : A Blockchain Based Categorical Information Transaction And Depository Framework

○ Alvi-Rahman/CAT-Chain

Some Solutions for Online Judge Problems

○ Alvi-Rahman/Programming_Contest_Problem_Solve

PUBLICATIONS

- Honorable Mention Award in ACM CSCW 2020: *Learning from Tweets: Opportunities and Challenges to Inform Policy Making During Dengue Epidemic.* Proc. ACM Hum.-Comput. Interact. 4, CSCW1, Article 065 (May 2020) DOI:https://doi.org/10.1145/3392875

ACHIEVEMENTS

🏆 **1st Runners UP (MUJIB BORSHO IT CARNIVAL 2020- DIU)**
View Certificate

CERTIFICATIONS

🏆 **Deep Learning Specialization**
View Certificate

🏆 **Generative Adversarial Networks (GANs) Specialization**
View Certificate

🏆 **BIG DATA Specialization**
View Certificate

🏆 **Self-Driving Car Specialization**
View Certificate

🏆 **TensorFlow Developer**
View Certificate

🏆 **AI for Medicine Specialization**
View Certificate

🏆 **Stanford Machine Learning Coursera**
View Certificate

🏆 **Natural Language Processing Specialization**
View Certificate

🏆 **AI For Everyone**
View Certificate

🏆 **AWS Fundamentals: Going Cloud-Native**
View Certificate

🏆 **BIRDS Workshop**
View Certificate

REFERENCES

Prof. Sriram Chellappan, Ph.D
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🌐 csee.usf.edu/~sriramc/

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@ Bangladesh University of Engineering and Technology
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