




# Aklima Akter Rimi

Web Scrapper | Machine Learning Engg. | Data Scientist

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## EDUCATION

**Computer Science and Engineering, Uttara University** 2018 – 2021  
CGPA: 3.92

## SKILLS

### Programming Languages

Python, Java, C++, JS

### Data Science

Statistics, Machine Learning, Deep Learning, Data Visualization, Data Cleaning, Structure Modeling.


### Database

MySQL, SQLite, Oracle


### FrameWork

Scrapy, BeautifulSoup, Selenium, Tensorflow, Pandas, Matplotlib, Seaborn, Scikit, Pytorch, Fastai, HuggingFace, StreamLit, Gradio

## WORK EXPERIENCE

**SuperString Capital, Data Scientist (Remote)**  07/2023 – present  
Data Collection, Data Analysis, Web Application (Flask), Crypto coin Prediction

**Zoah Ltd., Contractual - Data Scientist (Remote)** 01/2023 – 12/2023  
Data Dollection, Data Analysis, Model Implementation, Evaluation, API development for seamless integration and efficient deployment of models.

**Manaknight Digital LTD, Data Scientist (Remote)**  02/2022 – 08/2022  
Dataset Creation, Data Preprocessed, Image Labeling, Model Train, Evaluation.

## WORK AND PROJECT

### Who-s-Talking

**Libraries:** Selenium, pytube, librosa, Subprocess, Youtube\_dl

**Summary:** Voice recognizer using a TensorFlow model, deployed in Hugging Face

### Relax-Teacher

**Libraries:** Moviepy, pytube, pytorch, HuggingFace, Flask

**Summary:** Audio Classifier using Tensorflow

### Reptile-Museum

**Libraries:** Selenium, Pandas, PIL, Pytorch, Fastai, HuggingFace, Flask

**Summary:** Multi-Target Image Classifier, classifies more than 108 classes using the xresnet18\_deeper model in Fastai, Pytorch.

## AppClassifier [↗](#)

**Libraries:** Selenium, Pandas, Fastai, HuggingFace, Flask

**Summary:** Multi-Label text classifier in Pytorch framework used distilroberta-base from huggingFace.

## EyeDiseaseClassifier [↗](#)

**Libraries:** Kaggle, PIL, Pytorch, Fastai, HuggingFace, Github

**Summary:** Recognize 4 types of eye diseases using Fastai, xresnet34deeper model is used.

## CSRanked Universities CSE Department. [↗](#)

**Libraries:** Selenium, Action chains, Pandas, Tableau

**Summary:** Data collection from a well-known website. I used the Selenium library to collect numerous data points. Data cleaning and preprocessing are performed using Pandas, and data analysis is done using the Tableau platform.

## QS World Rank Universities, Life and Science Department [↗](#)

**Libraries:** Selenium, Action chains, Pandas, Tableau

**Summary:** Data collection from a well-known website using the Selenium library. The goal of this project is to collect data from a well-known website using the Selenium library. Deployed in Tableau

## Research, Title: Face Mask Detection using Deep Learning

**Supervisor:** Al Shahriar Rubel, Lecturer, Dept of CSE, Uttara University

**Libraries:** Python, Tensorflow, Keras, Scikit.

- Data were collected from Github. It is an ideal face mask dataset being used by many researchers.
- Image augmented
- For image recognition, the video-based YOLOv3 model is transformed into a sequential CNN model.
- LeakyRelu for the Activation function in Hidding Layers, BatchNormalization and Dense Layers were used to modify this YOLOv3 to prevent overfitting the model.

## COURSES

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**Dokkho Data Science Career Program Cohort 1, MasterCourse [↗](#)**

Dhaka, Bangladesh

**Data Scientist: Machine Learning Specialist, Codecademy [↗](#)**

**BI Dashboards with Tableau, Codecademy [↗](#)**

## AWARDS

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### Dean Award

4 Dean Awards

**Programming Contest, Ada Lovelace Girls' Progamming Contest [↗](#)**

19th position

**Intra-Programming Contest 2020, Uttara University**

3rd position

**Intra-Math Olympiad, Uttara University**

2nd position

## REFERENCES

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**Dr. Md. Mizanur Rahman, Chairman, Uttara University**

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**Mohammad Sabik Ibraz, Data Scientist, Leadbook Pte. Ltd.**

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