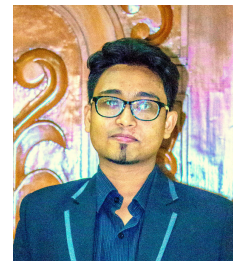


# MD. MASUDUR RAHMAN

@ masudurhimmel@gmail.com  
☎ +8801944606160  
in linkedin.com/in/masudurhimmel  
🔗 masudurhimmel.github.io  
🐙 github.com/masudurhimmel  
● leetcode.com/masudurHimmel



## OBJECTIVE

A python, golang enthusiast and a problem solver, with a demonstrated professional experience in back-end development and maintaining scalable system, looking for a position where I can put my development and research knowledge together to create something remarkable and gain experience from the industry.

## EXPERIENCE

**Software Engineer** *July 2021 - Present*  
Upay (UCB Fintech Company Limited)

Responsibilities:

- Developing efficient and scalable RESTful APIs using Django Rest Framework and Golang frameworks such as Gin, Chi, and Gorm
- Developing middlewares to integrate third party systems
- Implementing unittests to associate and facilitate the ongoing development process
- Designing system architecture in form of microservice that can fit the current system
- Maintaining and enhancing system responsiveness and overall quality
- Collaborating with teams about user requirements and providing technical solutions

**Software Engineer** *Oct 2020 - July 2021*  
Dingi Technologies Ltd.

Responsibilities:

- Developing efficient and scalable APIs using Django Rest Framework including extensive gps related solutions to facilitate vehicle tracking system
- Designing monolithic system as per the requirements
- Implementing unittests to accommodate the scalability and maintainability of the system
- Scaling the ongoing monolithic system into a multi-tenancy system
- Setting up the server end configuration to facilitate the service hosting
- Creating a bridge between the stake-holders and the development side

## EDUCATION

**BS in CSE** *Fall'16 - Summer'20*  
Institution: **North South University**  
Department: ECE  
CGPA: 3.96/4.00

**HSC** *Passing Year: 2015*  
Institution: **Notre Dame College**  
Group: Science  
GPA: 5.00

**SSC** *Passing Year: 2013*  
Institution: **BAF Shaheen College Kurmitola**  
Group: Science  
GPA: 5.00

## STRENGTHS

- Programming Languages

Python Go

- Development Frameworks

Django Rest Framework Gin Chi Gorm

- Database Management

Postgresql MySQL MongoDB

- Message Broker

Kafka Redis

- Other Tools

Docker Celery Git

- Project Management Tool

Jira

## ACHIEVEMENT

- Placed in Top 15  
**Project name: Save The World**  
**NASA Space App Challenge 2019**
- Solved Over 500 problems in **leetcode**  
[LeetCode: [leetcode.com/masudurHimmel](https://leetcode.com/masudurHimmel)]
- 100% tuition fee waiver grant for the study  
North South University, Dhaka

# PROJECTS

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## UPAY

**upay**, a digital financial solution app which provides easy, secured and innovative journey, made to elevate the lifestyle in different aspect. The strong, self-developed and state of the art approaches of upay ecosystem ensures the basic mfs journey as well as some creative features to uplift the convenience in each aspect of the user experience.

### Tools:

**Backend:** *Django Rest Framework, Gin, Chi, Gorm, Postgresql, Celery, Redis, Kafka*

[This is a collection of projects built in microservice architecture, are production level projects and the back-end apis were partially developed by me as a part of UCB Fintech Company Ltd]

## Followr

One stop vehicle tracking solution. A vehicle tracking solution which includes features like live tracking, smart geofencing, incident alarm, driver behavior report, tracking multiple vehicles

### Tools:

**Backend:** *Django (REST APIs), Postgresql, Celery, Redis, Elasticsearch*

[This project is a production level project and the back-end apis were partially developed by me as a part of Dingi Technologies Ltd]

## DailyPlus

DailyPlus is an e-commerce site, that deliver day-to-day needy product everyday. This project mainly focuses on the grocery items to deliver on time. This platform has android, ios and web versions which are hand

### Tools:

**Backend:** *Django (REST APIs), Postgresql*

**Live link:** *dailyplus.store*

[This project is a production level project and the back-end apis were developed by me as a part of Dingi Technologies Ltd]

## Handyx

HandyX match-makes customers with handyman nearby, where an user can be both at the same time. Customers can post an ad for a desired service from 100+ services of categories like General Construction, Plumbing, Electrical, and HVAC. Handymen can offer their services to nearby jobs and build up their profile, all while earning great money for their services.

### Tools:

**Backend:** *Django (REST APIs)*

**Live link:** *www.thehandyx.com*

[This project is a production level project and the back-end apis were developed by me as a part of Dingi Technologies Ltd]

## Forensic Analysis of Bangla handwritten language

A machine learning approach to detect Gender, Division and Age from Bangla handwritten letters.

**Tools:** *Anaconda, Colab*

**Methodologies:** *Deep Learning (CNN, ANN), Feature scaling, Dimension manipulation, Parameter tuning*

## Predicting the APS failure of Scania Truck

The main target of this project is to minimize the maintainace cost of Scania truck by detecting the air pressure system failure in advance.

**Tools:** *Anaconda, Jupyter notebook*

**Methodologies:** *LR, RF, SVM, Feature scaling, Dimension reduction, Parameter tuning*

## Academic Counselling Assistant

This project intends to create a platform that will aid students who wish to study abroad by giving them the ability to explore their options and browse Universities and Subjects. Also through its AI, it can predict suitable universities based on users' qualification.

### Tools:

**Frontend:** *Html, JavaScript, Bootstrap*

**Backend:** *Laravel, Mysql, Python*

## iCare - A medical solution

This project aims to automate the traditional Doctor - Patient relationship through online prescription system. It also suggest the best suited doctors for specific disease.

**Tools:** *Raw php, mySql*

## Encryption Manipulator

This can manipulate and destroy any file on windows based system.

**Tools:** *C++*

## Windows File Protection

This can hide any windows operating system file and make them password protected.

**Tools:** *Batchfile*

[Github: [github.com/masudurHimel](https://github.com/masudurHimel)]

# RESEARCH EXPERIENCE

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## An Encoder-decoder based analysis of Lip Reading Using Various Deep Learning Approaches for Bangla Word Level Corpus

Research Supervisor: Dr. Mohammad Ashrafuzzaman Khan

North South University

(Timeline: Jan 2020 - Dec 2020)

## Forensic analysis of Bangla handwritten language

North South University

Paper Status: Published in ICCCM 2020 (The International Conference Proceedings Series by ACM)

<https://dl.acm.org/doi/10.1145/3411174.3411188>

# EXTRACURRICULAR ACTIVITY

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Problem Solver

Problem Solvers' Community

North South University

**Leetcode:** [leetcode.com/masudurHimel](https://leetcode.com/masudurHimel)

# REFERENCE

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- **Al Mamun Khan**  
Senior Software Engineer  
UCB Fintech Company Limited (upay)  
Email: [akmamun004@gmail.com](mailto:akmamun004@gmail.com)
- **Saraf Sumaita Hasan**  
Business Analyst  
Selise Digital Platforms  
Email: [srfhasan87@gmail.com](mailto:srfhasan87@gmail.com)