



AMIRUL ISLAM AL MAMUN

<https://amirulislam.zeet.app>
<http://linkedin.com/in/amirulislamalmamun>
<https://github.com/shiningflash>

contact: (+880) 01521-400404
amirulislamalmamun@gmail.com
Address: 66 - AK Khandakar Road,
Mohakhali, Dhaka-1212,
Bangladesh

EXPERIENCE

Former Software Engineer, Intern	LEADS Corporation Ltd.	Sep 2020 - Dec 2020
<ul style="list-style-type: none">Department: Enterprise Mobile Apps and ServicesContributed to "Digital Onboarding & EKYC Solution - VerifID-Python" project, in Backend Python (Flask). (Live at the FSIBL Bank, South-East Bank etc. now)contact: Md Babul Mirdha, Senior Software Architect, Leads Corporation Ltd., babul.mirdha@leads-bd.com		
Former Student Tutor	BRAC University	Sep 2019 - Oct 2020
<ul style="list-style-type: none">Subject: Discrete Mathematics. Worked as Teaching Assistant to help students.contact: G.M. Zilani, DCO, Department of CSE, BRAC University, gm.zilani@bracu.ac.bd		
Former Problem Setter	Toph Online Judge	Dec 2019 - Apr 2020
<ul style="list-style-type: none">Problem author and contest moderator, 16th December Programming Contest, 2019 and 5+ moreauthored a total of 12+ problems including Answer the queries, National Flag etc. for those contestscontact: Abdullah Matin Khan Zarzis, Former Trainer, BRAC University, zarziskhan@gmail.com		

Languages and Technologies

- Programming Languages** - Python, Java, C/C++, C#
- Operating System** - Linux, Windows, Mac OS, Android
- Database** - RDBMS, MySQL, NoSQL
- Frameworks** - Flask, Django
- Tools** - VS Code, IntelliJ IDEA, Eclipse, Android Studio, PyCharm, Jupyter Notebook, Postman
- Others** - Git, OOP, Design Pattern, SOLID, REST-API, IIS etc.

EDUCATION

Bachelor of Science in Computer Science	CGPA - 3.68 / 4.00	BRAC University, Dhaka	Jan 2017 - Dec 2020
<ul style="list-style-type: none">Awarded Full-free (100%) Scholarship.Main coursework: Data Structures, Algorithms, OOP, Database Systems, Software Engineering, Neural Network, Artificial Intelligence, Operating Systems, Computer Architecture, Data Communication, Calculus.			
HSC in Science	GPA - 5.00 / 5.00	Mohsin College, Chittagong	2015 - 2016
<ul style="list-style-type: none">Awarded BRAC Medhabikash Scholarship.			

VOLUNTEER EXPERIENCE

Programming Mentor	BRAC University ACM Student Chapter	Mar 2018 - Jul 2020
<ul style="list-style-type: none">Guiding junior contestants by taking various workshops, CSE Bootcamps, programming contests etc.contact: Shaily Roy, Lecturer, BRAC University, shaily.roy@bracu.ac.bd		

INTERNSHIP PROJECT

I contributed to various projects during my internship at **LEADS Corporation Ltd.** -

- VerifID-Python (Digital Onboarding & E-KYC Solution)** -
 - wrote about **70%** codebase of this project by myself, brought innovation and helped to deploy
 - wrote all necessary API, implemented OCR, MRZ, extracted information from NID with various logics
 - technologies: Python Flask, Machine Learning, OpenCV, Tesseract, MRZ etc.
- VerifID-Mobile App (Digital Onboarding & E-KYC Solution)** - technologies: Kotlin, XML etc.

MACHINE LEARNING PROJECT

I worked on various field of NLP with Deep Learning, eg. **Sentiment Analysis**, **Emotion Detection**, **Intent Classification** and **Named-Entity Recognition** for a chatbot to be more human-like and intelligent.

UNIVERSITY PROJECT (PERSONAL)

I have many **web**, **android** and **flutter projects** in university including -

- **Sorting Algorithm Visualization** (2019) [Desktop App] - technology: **Java**, JavaFX, FXML, Derby etc.
 - preview: <http://bit.do/sortalgovis>
- **BRACU Student Tutor Management** (2020) [Android App] - technology: **Java**, XML, Firebase etc.
 - preview: youtube.com/watch?v=A_Ssx_x9Cyk
- **VH Online Hospital** (2020) [Android App] - technology: **Java**, XML, Firebase etc.
- **E-commerce Website** (2020) [Web App] - technology - Python (Django), sqlite3 etc.
 - preview: <http://faaos.herokuapp.com>

COMPETITIVE PROGRAMMING (ONSITE) (<http://bit.do/amirul-cert>)

I have participated in almost all NCPC & IUPC (about 15+) on behalf on BRAC University since three years-

- **Champion (1st) at BUCC Intra-University Programming Contest**, Junior (11/2017)
 - Contestant, bracu_silkRoad
- **3rd at BUCC Intra-University Programming Contest**, Senior (09/2018)
 - Team Leader and Contestant, SketchUP
- **3rd at BUCC Intra-University Programming Contest**, Senior (02/2019)
 - Team Leader and Contestant, bucc_nahid
- **8th at UITS Inter-University Programming Contest** (10/2019)
 - Team Leader and Contestant, silkRoad
- **12th at INWED Techfest Programming Contest**, IUB (06/2019) etc.
 - Team Leader and Contestant, bracu_silkRoad

COMPETITIVE PROGRAMMING (ONLINE) (<http://bit.do/ststlk>)

Codeforces	Solved problem - 500+	handle - shining_flash
● Participated in 50+ contest, highest position - specialist		
UVa	Solved problem - 140+	handle - shiningflash
LightOJ	Solved problem - 110+	handle - shiningflash
HackerRank	Solved problem - 100+	handle - shiningflash
SPOJ	Solved problem - 60+	handle - amirul_bracu

** For All accepted code: <http://bit.do/ojsol>

OTHER CERTIFICATE (<http://bit.do/amirul-cert>)

- **Programming Skill Bootcamp Trainer (2019)**
 - issued by - BRAC University
- **National Collegiate Programming Contest (2018)** etc.
 - issued by - ICPC - International Collegiate Programming Contest

**note: please, click the blue items to visit url and get more information