



AMIRUL ISLAM AL MAMUN

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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 VerifID-ML project, in both Backend Python (Flask + Machine Learning) and Android. (Live at the FSIBL Bank, South-East Bank etc.)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** - Java, Python, C++, C#, Kotlin(basic), Dart(basic)
- **Operating System** - Linux, Windows, Mac OS, Android
- **Database** - MySQL, NoSQL
- **Frameworks** - Flask, Django, Flutter
- **Tools** - VS Code, Android Studio, PyCharm, IntelliJ IDEA, Eclipse, Atom, 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, Neural Network, Artificial Intelligence, Software Engineering, OOP, Database Systems, Operating Systems, Computer Architecture, Data Communication, Android, 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 3 major projects during my internship at [LEADS Corporation Ltd.](#) -

- **VerifID-Python (Digital Onboarding & E-KYC Solution)** -
 - o wrote about **70%** codebase of this project by myself and successfully deployed it on the bank server
 - o technologies: Python Flask, Machine Learning, OpenCV, Tesseract, MRZ etc.
- **i-Life Project (for Sandhani Life Inc., Sunlife Inc.)** - technologies: Flutter, Rest-API 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](https://www.youtube.com/watch?v=A_Ssx_x9Cyk)
- **FA Online Shop** (2020) [Web Project] - technology: Django, HTML, CSS, Bootstrap, Sqlite3 etc.
- **VH Online Hospital** (2020) [Android App] - technology: Java, XML, Firebase etc.

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