



## AMIRUL ISLAM AL MAMUN

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### EXPERIENCE

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<b>Former Software Engineer, Intern</b>	<b>LEADS Corporation Ltd.</b>	<b>Sep 2020 - Dec 2020</b>
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- Department: Enterprise Mobile Apps and Services
- Contributed 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](mailto:babul.mirdha@leads-bd.com)

<b>Former Student Tutor</b>	<b>BRAC University</b>	<b>Sep 2019 - Oct 2020</b>
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- 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](mailto:gm.zilani@bracu.ac.bd)

<b>Problem Setter</b>	<b>Toph Online Judge</b>	<b>Dec 2019 - Apr 2020</b>
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- Problem author and contest moderator, 16th December Programming Contest, 2019 and 5+ more
- contact: Abdullah Matin Khan Zarzis, Former Trainer, BRAC University, [zarziskhan@gmail.com](mailto:zarziskhan@gmail.com)

### Languages and Technologies

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- Programming Languages - Java, Python, C++, Dart(basic), Kotlin(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 - OOP, Version Control, GitHub, Design Pattern, REST-API, IIS etc.

### EDUCATION

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<b>Bachelor of Science in Computer Science</b>	<b>CGPA - 3.68 / 4.00</b>	<b>BRAC University, Dhaka</b>	<b>Jan 2017 - Dec 2020</b>
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- 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.

<b>HSC in Science</b>	<b>GPA - 5.00 / 5.00</b>	<b>Mohsin College, Chittagong</b>	<b>2015 - 2016</b>
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- Awarded BRAC Medhabikash Scholarship.

### VOLUNTEER EXPERIENCE

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<b>Programming Mentor</b>	<b>BRAC University ACM Student Chapter</b>	<b>Mar 2018 - Jul 2020</b>
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- Guiding junior contestants by taking various workshops, CSE Bootcamps, programming contests etc.
- contact: Shaily Roy, Lecturer, BRAC University, [shaily.roy@bracu.ac.bd](mailto:shaily.roy@bracu.ac.bd)

### INTERNSHIP PROJECT

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I contributed to 3 major projects during my internship at [LEADS Corporation Ltd.](#) -

- **VerifID-Python (Digital Onboarding & E-KYC Solution)** -
  - o technologies: Python Flask, Machine Learning, OpenCV, Tesseract 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

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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)

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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.

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

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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>)

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

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

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

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