



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 | | |
| 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+ morecontact: Abdullah Matin Khan Zarzis, Former Trainer, BRAC University, zarziskhan@gmail.com | | |

Languages and Technologies

- 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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|--|---------------------------|-----------------------------------|----------------------------|
| 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

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|---|--|----------------------------|
| 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)** -
 - 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

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.

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>)

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|--|------------------------------|-------------------------------|
| 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