AMIRUL ISLAM AL MAMUN

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EXPERIENCE

Former Software Engineer, Intern   **LEADS Corporation Ltd.**   **13 Sep 2020 - 10 Dec 2020**
- 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 South-East Bank, FSIBL Bank etc.)
- Contributing to iLife flutter project for Sandhani Life Insurance and Sunlife Insurance.
- contact: Md Babul Mirdha, Senior Software Architect, Leads Corporation Ltd., babul.mirdha@leads-bd.com

Former Student Tutor   **BRAC University**   **Sep 2019 - Oct 2020**
- 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 - Present**
- 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

Languages and Technologies
- Programming Languages - C++, Java, Python, Dart(basic), Kotlin(basic)
- Operating System - Linux, Windows, Mac OS, Android
- Database - MySQL, NoSQL
- Frameworks - Flask, Django, Flutter
- Tools - VS Code, Atom, Android Studio, PyCharm, IntelliJ IDEA, Eclipse, Jupyter Notebook, Postman
- Recent Activity - Neural Network, Flutter, Android Development
- Others - OOP, Version Control, GitHub, Design Pattern, REST-API, IIS, JavaFX, Streamlit etc.

EDUCATION

Bachelor of Science in Computer Science   **CGPA - 3.68 / 4.00   BRAC University, Dhaka**   **Jan 2017 - Dec 2020**
- 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**
- Awarded BRAC Medhabikash Scholarship.

SSC in Science   **GPA - 5.00 / 5.00 Pekua GMC Institution**   **2013 - 2014**
- Awarded Government Scholarship (Talentful), many other non-govt. scholarships,Best Debater Awards etc.

VOLUNTEER EXPERIENCE

Programming Mentor   **BRAC University ACM Student Chapter**   **Mar 2018 - Jul 2020**
- 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-ML (Digital Onboarding - eKYC)** -
  - o technologies: Python Flask, Machine Learning, OpenCV, Tesseract etc.
- **iLife Project** (for Sandhani Life Inc., Sunlife Inc.) -
  - o technologies: Flutter, Rest-API etc.
- **VerifID-Mobile App (Digital Onboarding - eKYC)** -
  - o technologies: Kotlin, XML etc.

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.
  - o preview: http://bit.do/sortalgovis
- **BRACU Student Tutor Management** (2020) [Android App] - technology: Java, XML, Firebase 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.

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