

Zakaria Hossain

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EDUCATION

Daffodil International University

Bachelor of Science in Computer Science and Engineering

CGPA: 3.75/4.0

Jan. 2017 – Present

Higher Secondary School Certificate

BAF Shaheen College, Jashore

GPA: 5.0/5.0

Aug. 2015

Secondary School Certificate

BAF Shaheen College, Jashore

GPA: 5.0/5.0

Apr. 2013

PROJECTS

Students' Assist | *Java, HTML, CSS, JavaScript*

Aug 2017 - Dec 2020

- Students can recheck their Written Exam's Answer Script
- Teachers can also validate Students' Answer Script
- Android App for CPU Scheduling Algorithms | [Github](#)
- Android App for Telephone System Simulation Algorithm | [Github](#)
- Web App for Cohen-Sutherland Line Clipping Algorithm | [Github](#)

OJ's Solution Extractor | *Python, API, JSON*

September 2020

- Users can Extract/Download their AC Solution from Codeforces and URI
- Console based application, can be used in any operating system
- Codeforces API is used for getting Codeforces Solutions
- BeautifulSoup library is used for parsing OJ's Accepted Solutions.
- Recently Working on Codechef, LightOJ, Vjudge, Hackerrank, Atcoder etc.

BeatBox | *Java, JavaFX, SceneBuilder, RemoteMySQL, SQLite, Networking in Java*

July 2018

- Online and Offline Music Library and Streaming Desktop Application using Java, JavaFX
- Remote MySQL and SQLite are used as database

Digital Clock | *C++, OOP, OpenGL, GeoGebra*

September 2020

- Implemented a Digital Clock having current Date and Time
- GeoGebra graph app is used to draw various shapes

UNDERGRAD THESIS

Accounting Transaction/Tabular Analysis | *NLP, Deep Learning, Machine Learning*

2019-Present

- A study to predict Tabular Analysis, Journal, ledger
- This Research has applications in Every Business

TECHNICAL AND CODING SKILLS

Competitive Programming

- I've solved 1200+ Data Structure and Algorithmic problems in several Online Judges and still counting.
- During this period i've used C++ and Python most of the time.

Languages: C/C++, Python, Java, JavaScript, MySQL, SQLite, Bash Script, Arduino, Assembly, \LaTeX

Learning Frameworks: React, ReactNative, Electron, Express

Developer Tools: Git, VS Code, Anaconda, NetBeans, Android Studio, JetBrains (IntelliJ Idea, Pycharm)

Online Judges Not Included in Stopstalk : [LeetCode](#) , [URI](#) , [Toph.co](#) , LightOJ

CERTIFICATES

Hackerrank

2020

- Java
- Python
- JavaScript
- Problem Solving

ACHIEVEMENTS

ACM ICPC Dhaka Regional Onsite Contest

2018

- 2018 - Team DIU Undefined Error : Position 96 out of 300

ACM ICPC Dhaka Regional Online Preliminary Contest

- 2017 - Team DIU Creative Den : Position 383 out of 1235
- 2018 - Team DIU Undefined Error : Position 313 out of 1246
- 2019 - Team DIU Mavericks : Position 376 out of 1326

DIU Intra University Programming Contest

2019

- 1st position among 269

DIU TakeOff Programming Contest

2017

- 6th position among 500

Bangladesh National Math Olympiad

2011-2015

- Divisional Round : 2nd runner Up (2011)
- Divisional Round : 2nd runner Up (2014)

Divisional Science Fair

2017

- Runner Up | *MobilePhone Controlled Home Automation*

VOLUNTEER EXPERIENCE

Programming Trainer

2017 - 2020

DIU Computer Programming Club

- Workshop on Programming languages
- Basic Algorithms

Lab Prefect

2017 - 2020

Daffodil International University

- Object Oriented Programming
- Programming and problem solving
- Operating System
- Microprocessor and Assembly Language

Hands On Programming

July 2020

Online Education

- Uploaded 15 lecture videos on Basic C programming

REFERENCES

Dr. Syed Akhter Hossain

Professor and Head

- CSE, Daffodil International University.
- Computer scientist, educator, columnist and technology consultant from Bangladesh.
- aktarhossain@daffodilvarsity.edu.bd

Mr. Sheikh Abujar

Senior Lecturer

- CSE, Daffodil International University.
- Supervisor of the DIU NLP and Machine Learning Research LAB.
- sheikh.cse@diu.edu.bd