



## MRIDHA MD NAFIS FUAD

11/1, Bismillah Society, Lalbagh-1211  
mobile: +880 1956572070  
mail: fuadmmnf@gmail.com  
github: <https://github.com/fuadmmnf>

### PROGRAMMING SKILLS

- **Programming Languages:** Python, PHP, JavaScript, Java, Dart, C, C++, Scala
- **Frameworks:** Laravel, Vue JS, Flutter, Spring Boot, Django, Android, Node JS
- **Development Tools:** Github, Postman, Docker
- **Addons:** Firebase, GoogleAPI (maps, places and directions API), Laravel Passport, PHPUnit, NuxtJS, Task Scheduling and Queueing, Microservice basics,

### EDUCATION

- Bachelor of Science in Software Engineering  
Institute of Information Technology,  
University of Dhaka  
CGPA 3.93 ( Out of 4.00)  
2017 - 2021
- HSC  
Paramount School and College, Rajshahi  
GPA 5.00  
2016
- SSC  
Paramount School and College, Rajshahi  
GPA 5.00  
2014

### ACHIEVEMENTS

- Dealing covid crisis without harming productivity
- Mr. SPL2 (champion) at SPL-2 showcasing, IIT, DU
- 2nd Runners up at KUET Bitfest 2019
- Top 5 at IUT CSE Fest 2019
- Top 10 in CodeSamurai 2019, CSE DU
- 18th in Battle of Brains 2017, CSE DU

### WORK EXPERIENCE

#### Cefalo Bangladesh Ltd.

Trainee Software Engineer (20 January - 1 July, 2020)

- Deep diving into Http and RESTful services design and conventions along with realtime client side communication. Conducted a knowledge sharing session on HTTP content validation.

#### Innova Tech Bangladesh (startup)

Team Lead (1 November, 2019 - Present)

- Involved in multiple projects in Laravel + VueJS stack. Leading a small team of young developers that contributes to system design and writing manageable code.

### ACADEMIC PROJECTS

- **Lagrangian Relaxation**
  - A raw implementation of a combinatorial optimization algorithm known as lagrangian relaxation
- **E-Shongee**
  - A traveling companion that sends manual routes to users and monitor children using geofence.
- **Test Smell Detector**
  - Parse java project and identify dead test field test smell using java parser.
- **Design Patterns Projects**
  - Implementation of 16 design pattern algorithms along with 3 major projects
- **AI/ML Projects**
  - **Gomoku\_AI**( minimax, flutter), **Wumpus\_World**( propositional logic-resolution, javaFX), **Stock Prediction** (Django, Vuejs)
- **Distributed Systems**
  - **RMI**( raw implementation), **Kafka**( content based producer consumer), **Parallel Merge Sort**( MPICH)

## OTHER WORKS

- **ACM**
  - 400+ problem solved in codeforces.  
handle: fuadmmnf
- **Infocom\_CMS**
  - A complain management system for ISP providers. (Under development for AK Khan Telecom Ltd.)
- **GeXEntation**
  - Hand Gesture based application using OpenCV to detect gestures and perform actions such as presentation/media player or any other action according to key mapping.

## OTHER INVOLVEMENTS

- Active member of Distributed Systems and Software Engineering (DSSE) research group at IIT, University of Dhaka
- Web Developer at Dhaka University Central Student Union(DUCSU-Law and Politics Review program)
- Former IT Secretary of IIT Software Engineers' Community
- Managed a workshop on microservice architecture with knowledge partner Brainstation-23 Ltd.

## REFERENCES

Dr. Kazi Muheymin-Us-Sakib  
Professor  
Institute of Information Technology,  
University of Dhaka  
Email: muheymin@gmail.com

Dr. B M Mainul Hossain  
Associate Professor  
Institute of Information Technology,  
University of Dhaka  
Email: mainul.raju@yahoo.com