



# Md Saiful Islam

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## EDUCATION

### TU DORTMUND UNIVERSITY

MSC IN DATA SCIENCE

Starting April 2026 | Dortmund

### JAGANNATH UNIVERSITY

BSC IN COMPUTER SCIENCE

JAN 2018 to JAN 2023 | Dhaka

CGPA: 3.40 / 4.0

LAST SEM. GPA: 3.96 / 4.0

## LINKS

Gitlab: //SaifulJnU

Github: //SaifulJnU

LinkedIn: //md-saiful-islam-swe

StackOverflow: //md-saiful-islam

Sololearn: //md-saiful-islam

## SKILLS

### PROGRAMMING

Languages:

- Golang • Javascript • C++ • Python
- Java • PHP

Tools & Frameworks:

- Git • GitLab CICD • GIN • Docker
- gRPC • RabbitMQ • NATS • K8s

Databases:

- MongoDB • PostgreSQL • ArangoDB

Familiar:

- ReactJS • AWS (EC2, S3, Bedrock)

## COURSEWORK

### ONLINE COURSEWORK

Golang Bootcamp (Udemy)

Building Web app in PHP (Coursera)

### UNDERGRADUATE

Data Structure and Algorithm

Object Oriented Programming

Database Management System

Computer Networking

Operating System

AI & Machine Learning

### ACTIVITIES

Microsoft MSLA (Beta Level)

JnU IEEE SB, Organizing Secretary

Open Source contribution:

2020 Hacktoberfest Winner

2022 Hacktoberfest Contributor

## LANGUAGE

- English (Fluent) • Deutsch (A1 Level)

## EXPERIENCE

### SHIKHO TECHNOLOGIES BANGLADESH LIMITED

SOFTWARE ENGINEER (BACKEND)

July 2023 - Present | Dhaka, Hybrid | Link

- Researched, designed, and implemented KPI service for data sync between PostgresDB and MongoDB by using MongoStream
- Designed low level APIs and developed Analytics service for report-card using Nats, MongoStream, GORM (Bun)
- Implemented low level features for portal and CMS including sorting order, 100ms live-class integration, 2Factor OTP integration, and maintained technical documentation using Postman and ClickUp
- **Stack:** Golang, MongoDB, Postgres, REST, GraphQL, gRPC, Microservice

### AHOM LIMITED | BLOCKCHAIN DEVELOPER (INTERN)

May 2023 - July 2023 | Dhaka, Remote | Link

- Studied and reverse-engineered selected modules of the Cosmos SDK
- **Stack:** Layer1 Blockchain, Golang, gRPC, Docker, Protobuf

### SMARTBRIDGE | STUDENT PARTNER (INTERN)

Mar 2021 - June 2021 | India, Remote | Verify

- Built a project named Smart Attendance System using OpenCV and Flask
- **Stack:** Python, OpenCV, Flask

## PRACTICE PROJECT

### ORDER-NEST | Link

- Developed an order management system with low-level design and user authentication using Golang and GORM

### BOOKS-AUTHORS | Link

- Implemented REST and GraphQL APIs for book and author management using Golang, JWT, Zap, and Prometheus

## ACHIEVEMENT

### HACKATHON | TEAM NAME: CRYING-OBSIDIAN

2022 top 9/50 Affine Blockchain Hackathon

2022 top 12/50 BUET Blockchain Hackathon

2022 top 43/500 Code Samurai Hackathon

### PROBLEM SOLVING

- JnU Rank 2 in GeeksforGeeks | Handle
- 200 plus problem solved in Leetcode | Handle
- 5\* Coder in HackerRank | Handle
- 250 plus problem solved in others online judges including codeforces, codechef, lightOJ, UVa | StopStalk

## PUBLICATIONS

- [1] M. M. Ali, M. S. Islam, M. N. Uddin, and M. A. Uddin. A conceptual iot framework based on anova-f feature selection for chronic kidney disease detection using deep learning approach. *Intelligence-Based Medicine*, 10:100170, 2024.
- [2] M. S. Islam, M. M. Ali, M. N. Uddin, et al. A blockchain-based digital classified forensic image preservation framework. *Authorea*, 2024.