



# MD. RAKIB TROFDER

UNDERGRADUATE STUDENT  
OF SOFTWARE ENGINEERING

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## PROGRAMMING SKILLS

Programming Languages	C, C++, Java, Python, Javascript, TypeScript
Frameworks	Angular, React, NodeJS, NestJS, Tailwind CSS
Development Tools	GitHub, MySQL, MongoDB, Docker, AWS
Other Technologies	Figma, Jira Board, Postman, Wireshark

## EDUCATION

**IIT, University of Dhaka**  
BSc in Software Engineering (BSSE)  
CGPA 3.76/4.00 | 2019- Present

**Notre Dame College, Dhaka**  
Higher Secondary Certificate (HSC)  
GPA 5.00/5.00 | 2016-2018

## CO-CURRICULAR ACTIVITIES

- Treasurer**, IIT Software Engineers' Community
- Organizing Secretary**, Somoyon (Dhaka University Student Association)
- Organizer**, ITverse '23, Flutter Frenzy, ITverse'20, Tech Crunch 2.0

## REFERENCE

**Dr. Ahmedul Kabir**  
Associate Professor  
IIT, University of Dhaka  
Email: kabir@iit.du.ac.bd

**Kishan Kumar Ganguly**  
Assistant Professor  
IIT, University of Dhaka  
Email: kkganguly@iit.du.ac.bd

## EXPERIENCE

### SEMERU Lab, William & Mary

Research Intern  
(August, 2023 -December, 2023)

### Cefalo Bangladesh Ltd.

Trainee Software Engineer  
(January, 2023 - June, 2023)

## SOFTWARE PROJECTS

### Software Reconstruction Tool

React, NestJS, Python | Web Application | SPL 3  
A web-based tool that reconstructs software artifacts using a large language model for efficient and automated software maintenance.

### Vaccine Management System

React, NodeJS, Cypress | GitHub CI/CD, AWS | DevOps Project  
A web application where people can apply for multiple vaccines, update vaccine status, and download vaccination certificates. Load balancing, auto-scaling, and testing automation are implemented in this project.

### BlogBee

Angular, NodeJS, MySQL, Python | Web Application | SPL 2  
A blog-based social media where we can read blogs with others. Those blogs are auto-generated from YouTube videos, our application provides item-based recommendations and classifies blogs.

### Facebook Mint

Angular, NodeJS, MongoDB, Nginx, Docker | Course Project  
A simple implementation of Facebook's post and story feature and authentication system, with microservice, dockerization, and docker swarm for orchestration.

## CERTIFICATES

### Google IT Support Professional Certificate

Google | Coursera | 5 Courses

### Python For Everybody Specialization

University of Michigan | Coursera | 4 out of 5 Courses

### Introduction to Git & GitHub

Google | Coursera | 1 Course

### DevOps Fundamentals

Udemy | 1 Course

### MERN Stack with Blog Project

Udemy | 1 Course

### The Ultimate MySQL Crash Course 2021

Udemy | 1 Course

## CONTRIBUTIONS

- GitHub**: Contributions 6400+ (2020 - Present)
- Codeforces**: Solved 700+ Problems in codeforces, lightoj & others
- HackerRank**: 3 Stars in C, C++, Python, Java & Problem Solving

## ACHIEVEMENTS

- 1st Runner Up**, BUET CSE FEST Hackathon (DevOps) | 2023
- 1st Runner Up**, IIT Independence Cup (Quiz Competition) | 2020
- Champion**, Creative Talent Hunt | Dhaka Region | 2014