

# Moaz Mahmud

## Full Stack Software Engineer

 moazmahmud.com  MzMahmud  moaz-mahmud  moaz.mahmud.64@gmail.com  (+88)01922900262

## EXPERIENCE

### REVE SYSTEMS | SOFTWARE ENGINEER

February 2021 - Present | Dhaka, Bangladesh

- Currently I am working on Bond Automation Project for Bangladesh National Board of Revenue(NBR). This project uses Spring Boot micro services as back-end, Thyme-leaf as templating engine with HTML, CSS, vanilla JavaScript, jQuery as front-end and Oracle as database.
- I have also worked on Parliament Resource Planning (PRP) project for Bangladesh National Parliament where I used Java Servlet, JSP, HTML, CSS, vanilla JavaScript, jQuery, MySQL.

## PROJECTS

### HEALTH DATA COLLECTION | SPRING BOOT, THYMELEAF, POSTGRES, HEROKU

May 2022  

- This is a project for Umme Sabiha Farshi, my wife. She is working as a Nutritionist in a health check-up campaign.
- This project helps her to prescribe the patients with proper diet and to collect data for her research work.

### FILL 2D SPACE WITH HILBERT CURVE | P5JS, JAVASCRIPT, ES6

August 2021  

- Hilbert Curve is a space-filling curve. That means this 1-D line can fill a 2-D space! This fact on its own is amazing! The mathematical and algorithmic knowledge inspired me to make something cool with it!
- In this project, the user can see the Hilbert Curve of various generations fill a 512x512 canvas
- Users can upload their own image to be filled with Hilbert Curve which creates a mesmerizing artistic filter!

## VOLUNTEER EXPERIENCE

### BANGLADESH NATIONAL MATH OLYMPIAD | ACADEMIC TEAM MEMBER

December 2015 - Present

- Conducted more than 12 regional Olympiads, 4 national Olympiads
- Organized more than 50 question camps and math camps
- I was a problem setter for various regional math olympiads

## AWARDS & ACHIEVEMENTS

### 7TH INTERNATIONAL CONFERENCE ON NETWORKING, SYSTEMS AND SECURITY (NSYSS) | RUNNER-UP

November 2020

- Runner-up on Student Poster Award for **A Heuristic for Maximum Greedy Consensus Tree Problem** With S. M. Raihanul Alam

### ACM ICPC DHAKA REGIONAL ONLINE PRELIMINARY CONTEST

2016 - 2018

- 2016 - Team BUET RDX : Position 122 out of 1235
- 2017 - Team BUET NAIVE: Position 75 out of 1246
- 2018 - Team BUET NAIVE: Position 164 out of 1326

## SKILLS

### PROGRAMMING

Proficient:

C++ • Java • JavaScript • SQL

Experienced:

C • Python • LaTeX • HTML

Familiar:

CSS • Shell Script • PHP • Assembly

### LIBRARIES/Frameworks

Spring Boot • jQuery • Bootstrap • Node.js • Laravel

### TOOLS/PLATFORMS

Git • Heroku

## EDUCATION

### BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

February 2016 - February 2021

Department of Computer Science and Engineering

CGPA: 3.56/4.0

## MISCELLANEOUS

### ONLINE EDUCATION

 /MoazMahmud moazmahmud.com/youtube.html

- Uploaded more than 70 lecture videos of around 1 hour each on Math and Physics
- Videos have more than 1700 hours of watch time


### TRAVEL PHOTOGRAPHY & BLOG

 /mz\_mahmud mzmahmud.blogspot.com

- I have an extreme wanderlust
- My passion for traveling inspired me to present my eyes and mind through travel photography and writing.

## REFERENCES

**Erfan Hossain**, Senior Project Manager  
REVE SYSTEMS

 shoaibeee05@gmail.com

**Shariful Islam Bhuyan**, Assistant Professor  
BANGLADESH UNIVERSITY OF ENGINEERING AND TECHNOLOGY

 sharif@teacher.cse.buet.ac.bd