

## Maruf Morshed Khan

IT Consultant (Programmer), SPFMS Project, Ministry of Finance, Government of People's Republic of Bangladesh  
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## RESEARCH INTERESTS

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Artificial Intelligence, Machine Learning, Deep Learning, Data Science, Data Mining, Natural Language Processing, Robotics, Reinforcement Learning, Autonomous Systems

## PUBLICATIONS

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### Conference Paper

Published

- Nushrat Humaira, Naila Bushra, Zannatul Firdous, Maruf Morshed Khan, Md. Monirul Islam. Curvelet feature based fingerprint recognition: Using fourier enhancement. In 2013 International Conference on Informatics, Electronics and Vision (ICIEV).

## EDUCATION

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**Bangladesh University of Engineering and Technology**, Dhaka, Bangladesh  
Bachelor of Science in Computer Science and Engineering

2008 — 2016

## ENGLISH & GRE TESTS

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### GRE General Test:

Quant: 167 — Verbal: 145 — Total: 312

Analytical writing: 4.0

Test date: November 2022

### TOEFL (iBT): 104 (overall score)

Listening: 29 — Reading: 28

Speaking: 23 — Writing: 24

Test date: December 2022

## EXPERIENCE

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### SPFMS Project, Ministry of Finance

*IT Consultant (Programmer)*

Government of People's Republic of Bangladesh

January 2021 — Present

- Design modules for the integrated budget and accounting system (iBAS++) for Government of People's Republic of Bangladesh.
- Development of the modules for accounting, payroll for government employees, beneficiary management.

### Evatix

*Software Engineer - SE III*

Dhaka, Bangladesh

January 2018 — December 2020

- Design and development of an encrypted mail client.
- Design and development of a VPN client.

### Top of Stack Software

*Software Engineer*

Dhaka, Bangladesh

May 2013 — December 2017

- Development of an educational management system.
- Design and development of an educational gaming application.

## SKILLS

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- **Programming:** C, C++, Python, Java, C#, PL/SQL, JavaScript
- **Software:** TensorFlow, Jupyter Notebook, MS Word, MS Excel, MS Power Point
- **Soft Skills:** Research, Problem Solving, Collaboration, Communication, Punctuality

## AWARDS

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**Runners Up in Intra-department software development competition**  
An efficient and secure automated banking application.

Dhaka, Bangladesh  
2012

## PROJECTS

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- Online Money Transaction & Bill Payment System.
- Micro-controller based "Automated Door Lock System".
- Micro-controller based "Automated Water Flow Controlling System".
- Program an E-puck.
- "Web Browser for mobile" using JAVA (J2ME).
- "Bus Service Management System" using IGraphics.

## COURSES

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### Bachelor's Courses

- Algorithms
- Discrete Mathematics
- Artificial Intelligence
- Pattern Recognition
- Machine Learning
- Theory Of Computation
- Data Structure
- Calculus, Geometry, Probability, Statistics, Fourier Analysis, Matrices, Complex Variable

### Additional Courses

- Machine Learning - Coursera

## Notable Works

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Ranked 3036 in UVA Online judge  
Solved 300+ problems in UVA Online judge and LeetCode

## REFERENCES

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### Prof. Dr. Md. Monirul Islam

*Professor, Computer Science and Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh*

E-mail: mmislam@cse.buet.ac.bd

Scholar Profiles: Bangladesh University of Engineering and Technology - Personal Page

### Md Mahbubul Hasan

*Software Engineer, Google; Former Lecturer, Computer Science and Engineering, Bangladesh University of Engineering And Technology, Dhaka, Bangladesh*

E-mail: mahbub@google.com

### Ashraful Islam Siddique

*Senior IT Consultant, SPFMS Project, Ministry of Finance, Government of People's Republic of Bangladesh*

E-mail: ashrafuli@ibas.gov.bd