



# TAUFIQUL ISLAM KHAN

An innovative and knowledgeable professional who is involved with high-quality research and teaching for the last 3 years. Looking forward working as a Researcher where I can grow & contribute ideas for a sustainable future.

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## WORK EXPERIENCE

### Lecturer

#### BRAC University

📅 June 2021 – Ongoing 📍 Dhaka, Bangladesh

- Courses Coordinator : Software Engineering, Introduction to Robotics
- Courses taught : Programming Language I, Numerical Methods, Computer Interfacing, Introduction to Robotics, Software Engineering
- Conduct lab classes and administrative tasks by respective department
- Creating questionnaire, grading and invigilating examinations

### Software Engineer - RANK 4B

#### BJIT Ltd

📅 October 2021 – 2022 📍 Dhaka, Bangladesh

- working technology: Spring boot, TCL, PLM, PDM, 3dSpace, RestApi etc
- Task management: Redmine, Jira, Bitbucket etc
- working as backend developer

### Software Engineer

#### ServicEngine BPO

📅 July 2020 – Ongoing 📍 Dhaka, Bangladesh

- Scraping data from websites (HTML) using Groovy, Python and Selenium
- Processing and Transforming unstructured data (pdf, images etc.) to structured data using OCR and Image Processing
- Validate and cross-check data by implementing Machine-Learning models (supervised) using Python and Tensor-flow
- Designing and implementing effective and cost-efficient data processing pipelines to run scripts using Jenkins and AWS EC2

### Teaching Assistant (TA)

#### Department of Computer Science & Engineering, BRAC University

📅 2019 – 2020 📍 Dhaka, Bangladesh

- Assisted under supervision of course instructor on the following courses : Algorithms and Digital Logic Design
- Invigilation of theory and lab exams
- Conduct lab sessions and assist course instructor with checking examination scripts

### Student Mentor

#### Office of Academic Advising, BRAC University

📅 2018 – 2019 📍 Dhaka, Bangladesh

- Monitoring and assessing student's academic performance per semester
- Guiding and consulting student's academic plan for the first year

## EDUCATION

### B.S.C in CSE

#### BRAC University

📅 2020 🏆 CGPA : 3.9/4.0 (97.5%)

- Thesis : 6LoWPAN Based Futuristic Architecture for Smart Home

### H.S.C in Science

#### Dhaka College

📅 2015 🏆 GPA : 5.0/5.0

- Obtained Golden GPA 5 & placed 82nd in Dhaka Board

### S.S.C in Science

#### Shere Bangla Nagar Govt Boys' High School

📅 2013 🏆 GPA : 5.0/5.0

- Obtained Golden GPA 5

## MOST PROUD OF



#### Selected in VC's and Dean's List (BRAC University) (2016 - 2020)

Students earning a GPA of 3.9+ & 3.7 - 3.9 per semester are placed in the VC's List and the Dean's List respectively



#### Merit-based Scholarship (BRAC University) (2016 - 2020)

Obtained 70% tuition waiver



#### Higher Secondary Govt. scholarship (2015)

placed 82nd in Dhaka Board



#### Primary School Govt. scholarship (2007)

Placed 17th in District

## LANGUAGES

Bangle  
English



## STRENGTHS

Data Science and Analytics - Java, Python, R, Tensorflow

Algorithm, Data Structure - complexity analysis

Research potentiality - interest for new technology


Web Development - HTML/CSS, JavaScript, MySQL

Version Control - Git, Bitbucket


Others - Team Management, Enthusiastic, Pro active

## REFEREES


**Md. Motaharul Islam**

 "Professor, Department of Computer Science and Engineering - United International University"


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**Md. Saiful Islam**

 "Lecturer, Department of Computer Science and Engineering - BRAC University "

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## PUBLICATION

### Conference Paper

- Khan, T. I. (2020). 6lowpan based futuristic smart architecture for home automation. In *2020 2nd international conference on advanced information and communication technology, dhaka, bangladesh 28-29 november, 2020* (pp. 450–454). Dhaka, Bangladesh: IEEE.

Paper-URL : [↗](#)

## PROJECTS

### Developers Connector [↗](#)

It's a live project where developers can connect and share posts and get help from other developers

### Opu's Coaching [↗](#)

Its an android app where Teacher and student can join for learning

## THESIS WORK

### 6LoWPAN Based Futuristic Architecture for Smart Home [↗](#)

- Establish a system by which the end user will be allowed to send or collect data from the sensors node
- The model will have a better lifetime compared to other existing wireless home automation models e g Bluetooth, ZigBee etc
- It will have the ability to be connected with the same or different kind of network
- It will have the best end to end communication facility which will make the system more functional and beneficial for the user in compare to other models
- If user wants to expand its network with more sensors or want to add new sensors, they will be easily connected with the existing network