

Taufiqul Islam Khan

Lecturer, BRAC University

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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.

Work Experience

Lecturer

BRAC University

📅 June 2021 – Ongoing

📍 Dhaka, Bangladesh

- Course Coordinator: Software Engineering, Introduction to Robotics (Lab)
- Courses Teaching: Software Engineering, Programming Language I, Computer Interfacing, Introduction to Robotics
- 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 Framework: Spring boot, 3dSpace (Database), RestApi, Backend development
- Task Management: Redmine, Jira, Bitbucket, Git, Github
- Others: Design pattern implementation, Unit testing, Refactoring

Software Engineer

ServiceEngine BPO

📅 July 2020 – 2021

📍 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 MachineLearning models (supervised) using Python and Tensor-flow
- Designing and implementing effective and cost-efficient data processing to run scripts using Jenkins and AWS

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 & 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

Publications

CONFERENCE PAPER

6LoWPAN Based Futuristic Smart Architecture for Home Automation

- Conference: International Conference on Advanced Information and Communication Technology
- Contribution: Co-Author
- Paper link: 10.1109/ICAICT51780.2020.9333483

Education

B.S.C in CSE

BRAC University

🏆 CGPA : 3.9/4.0 (97.5%)

📅 2016 - 2020

- Thesis : 6LoWPAN Based Futuristic Architecture for Smart Home

H.S.C in Science

Dhaka College

🏆 GPA : 5.0/5.0

📅 2015

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

S.S.C in Science

Shere Bangla Nagar Govt Boys' High School

🏆 GPA : 5.0/5.0

📅 2013

- Obtained Golden GPA 5

Achievements

| | | |
|---|--|-------------|
| 🏆 | Selected in VC's and Dean's List , BRAC University | 2016 - 2020 |
| 🏆 | Merit-based Scholarship - Achieved 70% tuition fee waiver , BRAC University | 2016 - 2020 |
| 🏆 | Higher Secondary Govt. scholarship - placed 82nd in Dhaka Board , Dhaka College | 2015 |
| 🏆 | Primary School Govt. scholarship - Placed 17th in District , Manikganj, Dhaka | 2007 |

Projects

Client's Back-end development with Spring Boot

Developed in BJIT Ltd.

- Implemented design pattern - Adapter, Observer

Dhaka, Bangladesh

2022

Developers Connector with MERN

Developed in BJIT Ltd.

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

Dhaka, Bangladesh

2022

Automated License plate detection

Developed in SevicEngine BPO

- Worked with real time complex video from road traffic

Dhaka, Bangladesh

2021

Data Analysis and Automated Script writing with Python

Developed in SevicEngine BPO

- Developed an automated Python script to handle huge chunk of data and format it according to clients requirements

Dhaka, Bangladesh

2021

Opu's Coaching with Android

Developed in BRAC University

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

Dhaka, Bangladesh

2019

Skills

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|------------------------------|---|
| Frameworks/Libraries | Spring Boot, React, Node, Pandas, PyTorch, NumPy |
| Research potentiality | interest for new technology |
| Version Control | Git, Bitbucket |
| Programming | Python, Java, HTML, CSS, PHP, JavaScript, SQL |
| Miscellaneous | Linux, Shell (Bash), LaTeX (Overleaf), Microsoft Office, Firebase, Git. |
| Soft Skills | Pro activeness, Time Management, Teamwork, Efficient problem solving, Documentation, Engaging Presentation. |

Languages

English Professional proficiency, IELTS : 6.5

Bangla Native proficiency

Social Contribution

Blood Donation (O+) Regular donor of Blood Bank, Member of BRACU Blood Donation
Volunteering Sincerely served in different program

Referees

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