

Dewan Ziaul Karim

House: 23/A, Road: 1, PC Culture Housing Society, Adabor, Dhaka, Bangladesh.

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[Google Scholar](#) | [Github](#)

RESEARCH INTERESTS

My research interest lies in the domain of artificial intelligence, machine learning and software engineering. I believe that merging efficient machine learning techniques with software engineering can help developers to build error free codes which will eventually increase the productivity of the developers. I intend to utilize my engineering cognition and knowledge to develop something useful and efficient that will make a mark in future generation of engineering.

EDUCATION

B.Sc. in Computer Science and Engineering 2012 – 2016

Thesis: Integrating Related XML Data into Data Warehouse Schema

Ahsanullah University of Science and Technology, Dhaka, Bangladesh.

CGPA: 3.91/4.00

Higher Secondary Certificate, 12th Grade National Examination 2011

Dhaka Residential Model College, Dhaka, Bangladesh.

GPA: 5.00/5.00

Higher Secondary Certificate, 10th Grade National Examination 2009

Dhaka Residential Model College, Dhaka, Bangladesh.

GPA: 5.00/5.00

PUBLICATIONS

1. Md. Afif Al Mamun, **Dewan Ziaul Karim**, Subroto Nag Pinku, Tasfia Anika Bushra, “TLNet: A Deep CNN model for Prediction of Tomato Leaf Diseases” , accepted and waiting to be published in IEEE 23rd International Conference of Computer and Information Technology (ICCIT), December, 2020.
2. Md. Al-Amin, **Dewan Ziaul Karim**, Tasfia Anika Bushra, “Prediction of Rice Disease from Leaves using Deep Convolution Neural Network towards a Digital Agricultural System”, in IEEE 22nd International Conference of Computer and Information Technology (ICCIT), December, 2019. [\[Paper Link\]](#)
3. Nafis Neehal, **Dewan Ziaul Karim**, Sejuti Banik, Tasfia Anika, “Runtime Optimization of Identification Event in ECG Based Biometric Authentication”, in IEEE International Conference on Electrical, Computer and Communication Engineering (ECCE), February 2019. [\[Paper Link\]](#)
4. Nafis Neehal, **Dewan Ziaul Karim**, Ashraful Islam, “Cloud-POA: A cloud-based map only implementation of PO-MSA on Amazon multi-node EC2 Hadoop Cluster”, in IEEE 20th International Conference of Computer and Information Technology (ICCIT), December 2017. [\[Paper Link\]](#)

WORK EXPERIENCE

Lecturer (Full Time) May 2018 – Present

Department of Computer Science and Engineering, BRAC University, Dhaka, Bangladesh.

- Courses Taught: Introduction to Computer Science, Digital Logic Design, Data Communications, Software Engineering, System Analysis and Design.

Lecturer (Full Time) September 2016 – April 2018

Department of Computer Science and Engineering,

Daffodil International University, Dhaka, Bangladesh.

- Courses Taught: Microprocessor & Assembly Language, Computer Architecture & Organization, Data Communication, Web Engineering, Social & Professional Issues in Computing, Communication Engineering.

Lecturer (Part Time)

October 2016 – March 2017

Department of Computer Science and Engineering,

Ahsanullah University of Science and Technology, Dhaka, Bangladesh.

- Courses Taught: Computer Fundamentals, Programming Language.

ACHIEVEMENTS

- Dean's List of Honor award for academic excellence in Ahsanullah University of Science & Technology (2016).
- Honorable mention at Ideas for Action(I4A 2019) [Title: E- Vigilante, [\[page-105\]](#)].
- Certificate in Recognition for Scopus Indexed Publication awarded by Daffodil International University (2018).
- Scholarship in Secondary School Certificate Examination from Ministry of Education, Bangladesh (2009).

PROJECTS

- **3d Model of London Tower Bridge** (Language: C) - A 3d model of london tower bridge built using FreeGLUT.
- **Student ID Number Recognizer** (Language: Matlab, Platform: Windows) - An application that detects the student ID number from the image of an ID card.
- **Student Information System** (Language: C#, SQL, Platform: Windows) - A software to manage information about students of an institution.
- **Employee Information System** (Language: C#, SQL, Platform: Windows) - A windows application to manage information about employees of an institution.
- **Snake "The Hungry Shaap"** (Language: C, Platform: Windows) - A simple snake game.
- **Line Follower Robot with Obstacle Avoider** - A robot which follows a line while avoiding obstacles on its way.
- **Kivabejaben.com** (Platform: Web, Front-End: HTML,CSS, Back-End: PHP, MySQL) - Website that helps users to find suitable bus routes in Bangladesh.
- **MovieMania.com** (Platform: Web, Front-End: HTML,CSS, Back-End: PHP, MySQL) - Website that helps users to find information about movies.
- **ColorZone** (Language: Java, Platform: Android) - An android drawing application.
- **Fool The Alligator Game** (Platform: Windows, Game Engine: Construct 2) - A game where a tortoise tries to survive by escaping from alligators.
- **The Hungry Monkey Game** (Platform: Windows, Game Engine: Construct 2) - A game where a monkey needs to eat foods while avoiding bombs.

TRAINING, CONFERENCES AND WORKSHOPS

- Attended "Remote Training Program on ITEE Training of Trainers (TOT)" arranged by Bangladesh Computer Council (BCC) and AOTS, Dhaka, Bangladesh (2021).
- Participated as an author in IEEE ICCIT 2020 (Ahsanullah University of Science and Technology), ICCIT 2019 (Southeast University), ECCE 2019 (Chittagong University of Engineering & Technology (CUET) and ICCIT 2017 (University of Asia Pacific).
- Attended the workshop on "Skills Development of ICT Engineers on IT Engineers Exam (ITEE) Targeting Japanese Market" arranged by University Grants Commission (UGC), Dhaka, Bangladesh (2019).
- Completed training on CCNA Routing & Switching by American International University-Bangladesh (2016).

SKILLS

- Programming Language: C, Java, Python, HTML, CSS, PHP, JavaScript.
- Database: MySQL, SQL Server, Oracle.
- IDEs: Microsoft Visual Studio, NetBeans, Eclipse, Codeblocks, Proteus, emu8086, Spyder.

LANGUAGE PROFICIENCY

- Bengali: Native
- English: IELTS: 8, CEFR level-C1

REFERENCES

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| <ul style="list-style-type: none">• Prof. Dr. Mohammad Shafiul Alam
Professor and Head
Computer Science & Engineering,
Ahsanullah University of Science & Technology,
Dhaka-1208, Bangladesh.
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Email: shafiul.cse@aust.edu | <ul style="list-style-type: none">• Prof. Dr. S. M. Abdullah Al-Mamun
Professor
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