

FAIRUZ SHEZUTI RAHMAN

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EDUCATION

Ahsanullah University of Science & Technology
Bachelor of Science, Computer Science & Engineering
GPA: 3.409/4.00

May 2015 - July 2019
Dhaka, Bangladesh

TEACHING EXPERIENCE

Adjunct Lecturer
Department of Computer Science and Engineering
Daffodil International University(DIU)

September 2019 - June 2020
Dhaka, Bangladesh

Conducted Courses:

- Database Management Systems
- Introduction to Bio-Informatics
- Discrete Mathematics
- Microprocessor and Assembly Language

RESEARCH INTERESTS

Machine Learning, Deep Learning & its applications, Computer Vision, IoT, and Image Processing

PUBLICATIONS

- Syed Fahim Ahmed, **Fairuz Shezuti Rahman**, Tasmia Tabassum, Md. Tariqul Islam Bhuiyan, "**3D U-Net: Fully Convolutional Neural Network for Automatic Brain Tumor Segmentation**", 2019 22nd International Conference on Computer and Information Technology (ICCIT 2019), Dhaka, Bangladesh, DOI: 10.1109/ICCIT48885.2019.9038237

TECHNICAL SKILLSETS

Programming: Python, C, C++, Java
Machine Learning: Keras, TensorFlow 2.0
Database: MySQL, SQLite, Oracle
Web Development: HTML5, CSS3, JavaScript, PHP, WebGL
Computer Vision: MATLAB
Hardware: Arduino
OS: Linux, Windows
Version Control: Git

AWARDS AND ACHIEVEMENTS

- **1st Runner Up** in **hackathon category** at BUP ICT Fest 2018, Dhaka, Bangladesh.
- **2nd Runner Up** in **cultural competition** at BUP Inter-University Cultural Fest 2016, Dhaka, Bangladesh.
- **2nd Runner Up** in **dance category** at Viqarunnisa Noon College Cultural Competition 2013, Dhaka, Bangladesh.

SELECTED ACADEMIC PROJECTS

A Correlation based Finger Print Verification System

Fall 2018

- The main goal of the project is to verify finger print using different Digital Image Processing algorithm
- Tools: MATLAB

Architectural Visualization of a Computer Desk

Fall 2018

- The visual representation of a computer desk with common materials
- Tools: Notepad++,Blender

A Theoretical Analysis of Food Interest

Fall 2018

- A summery of pattern health risk of common food interest based on location and time-table using our university student's data
- Applied SVR, SVC, and logistic regression
- Tools: Python, Numpy, Panda, Matplotlib, Scikit-learn

EMHealth 24/7

Spring 2018

- Emergency Health-care android application which provides blood donor information and emergency ambulance service.

Hotel Management System (C#)

Spring 2018

- Management system of a hotel with customer and admin interface
- Tool: Microsoft Visual Studio,

Hand Gesture Control Robot

Fall 2017

- The primary purpose was controlling a robot using hand movement.
- Arduino based hardware project of IoT(Internet of Things)
- Tools: Arduino

Book Bazar

Spring 2017

- A website for online book store
- Tools: SublimeText

Canteen Management

Spring 2016

- Initial database management system
- Tools: Netbeans

Bubble Shooter

Fall 2015

- First developed app which is desktop shooting game
- Tools: Microsoft Visual Studio

PRESENTATION & WORKSHOP

- Presented a paper on 22nd International Conference on Computer and Information Technology (ICCIT 2019)
- Attended as faculty member in "Workshop with Professor Dr. S. R. Subramanya, National University, San Diego, USA", organized by The Head of CSE Department of Daffodil International University, Dhaka Bangladesh.

- Participated in "Workshop on Robotics", organized by The Institute of Electrical and Electronics Engineers, AUST Branch, Dhaka Bangladesh

EXTRA-CURRICULAR ACTIVITIES

- **Vice-president** *January 2019 - May 2019*
AUST Cultural Club, Ahsanullah University of Science & Technology *Dhaka, Bangladesh*
- **Joint Secretary** *February 2018 - December 2018*
AUST Cultural Club, Ahsanullah University of Science & Technology *Dhaka, Bangladesh*
- Organized CodeWare'18 at Ahsanullah University of Science & Technology, Dhaka, Bangladesh.
- Participated in BUP ICT FEST'18 in Hackathon Category, BUP, Dhaka, Bangladesh.
- Participated in UIU HackLab Contest'19, UIU, Dhaka, Bangladesh
- Performer at AUST CSE FEST organized by CSE Department(2015, 2016, 2017, 2018)
- Involved with Bangladesh Scout
- Participated in 7th Melaka World Heritage City Jamboree 09, Malaysia.

LANGUAGE PROFICIENCY

Bengli: Native
English: Fluent
Japanese: N5 Level
Hindi: Conversational

REFERENCES

- **Mr. Emam Hossain**
Assistant Professor
Department of Computer Science and Engineering
Ahsanullah University of Science & Technology, Dhaka, Bangladesh.
Email: emamhossain.cse@aust.edu
- **Dr. Kazi A Kalpoma**
Professor
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Ahsanullah University of Science & Technology, Dhaka, Bangladesh.
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