

Tamzid Hossain

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Education

Shahjalal University of Science and Technology

January 2018 – March 2023

B.Sc. in Computer Science and Engineering

CGPA: 3.94/4.00 | Rank: 1st in a class of 110 students

Work Experience

Lecturer, United International University

July 2023 – Present

Department of Computer Science and Engineering

Course Conducting: Human Computer Interaction, Data Structure and Algorithm II & I, Digital Logic Design, Structured Programming Language, Operating Systems.

Research Experience

Collaborative Sensemaking in Virtual Reality

January 2022 – February 2023

- The goal of this research is to investigate and analyze multiview layouts, placement strategies and interaction approaches for collaborative sensemaking in Virtual Reality.

Eye- & Head-Based Interaction

June 2020 – May 2021

- The purpose of this research is to explore different aspect of social acceptability and users' preferences of various head- and eye-based interaction techniques with mobile devices.

Publications

- **Tamzid Hossain**, Md. Fahimul Islam, William Delamare, Farida Chowdhury, and Khalad Hasan. 2021. Exploring Social Acceptability and Users' Preferences of Head- and Eye-Based Interaction with Mobile Devices. *In 20th International Conference on Mobile and Ubiquitous Multimedia (MUM 2021)*. Association for Computing Machinery, New York, NY, USA, 12–23.
- Shah Murtaza Rashid Al Masud; Homaira Adiba; **Hossain, Tamzid**; Saha, Alope Kumar; Rahman, Rashik. "Development of Interactive Data Visualization System in Three-Dimensional Immersive Space". *In International Journal of Advanced Computer Science and Applications*; West Yorkshire Vol. 14, Iss. 10, (2023). DOI:10.14569/IJACSA.2023.01410108.

Projects

E-commerce Website with Web-API

June 2022

- A Web API project to simulate functionality of an E-commerce website, using **ReactJs** and **MongoDB**.
- Contains three Web APIs- Bank API, E-commerce API and Supplier API.
- Github link : <https://github.com/Tamzid06/E-commerce-Web-API>.

SUST Online Education Portal

December 2021

- An Online Education portal built using **ReactJs**, **NodeJs** and **MongoDB**.
- Collects and shares all the lectures of SUST to the students all over the world.
- Website link : <https://stormy-brushlands-88772.herokuapp.com/>.

Food Donation App

October 2021

- A Mobile app to donate extra foods in order to minimize food waste.
- Built with **Android Studio** (Java and XML), **Firebase** (Authentication, Realtime Database)
- Github link : <https://github.com/Tamzid06/Food-Donation-App>.

Augmented Reality Based Student Aid

December 2019

- An augmented reality app that helps students understand 3D models and images.
- Built with **Unity**, **Android Studio** (Java, ARcore, XML) and **Firebase** (Authentication, Realtime Database)
- Github link : <https://github.com/Tamzid06/AugmentedReality>.

- A **Java** based Side-scrolling, Arcade, Combat game where two player can fight with each other.
- Github link : <https://github.com/Tamzid06/Java-Game>.

Skills and Expertise

XR Developement

- Experienced in developing Augmented Reality and Virtual Reality Application in **Unity**

Competitive programming

- Codeforces Max rank: 1451(specialist) | Handle: WhiteRaven
- Participant at SUST Inter University Programming Contest, 2019

Coding Trainer

- Experienced in training undergrad students in SUST Programming Training Camp

Scholarship

University Merit Scholarship

2018 – 2021

- Shahjalal University of Science and Technology.

Achievements

Robotics

- **Champion** in 'Line Following Robot' competition organized by ROBOSUST.
- 2nd runners up in 'ESO ROBOT BANAI' University Level competition organized by CRID and CHANNEL I.

Contest

- Winner of IDEA CONTEST in GPH ispat 'ESO ROBOT BANAI' University Level competition organized by CRID and CHANNEL I.

Technical Strengths

Languages	C, C++, Java, Python, Javascript, HTML, CSS, SQL, Assembly Language
Software & Tools	Unity, Android Studio, Packet tracer, Unreal Engine
Database	MongoDB, MYSQL, PostgreSQL, Prisma, Firebase
Frameworks	NodeJs, ReactJs, Express, JavaFXGL, ARcore, Mediapipe, Photon PUN

Affiliations

Association for Computing Machinery

- Student Member.

SUST ACM Student Chapter

- Ex-Technical Executive.

References

- Mohammad Khalad Hasan, Assistant Professor
Department of Computer Science, University of British Columbia (Okanagan campus), Canada.
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