

MD MUSABBIR ISLAM

BASIC INFORMATION

Dhaka 1219, Bangladesh
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Website: musabbirislam.dev

OBJECTIVES

Passionate about advancing the field of Computer Graphics and Virtual Reality, aiming to contribute to innovative research and development in immersive technologies

EDUCATION

B.Sc in Computer Science and Engineering American International University Bangladesh CGPA: 3.64 out of 4.00	2014 - 2018
Higher Secondary Certificate Bangladesh Navy School And College Chittagong CGPA: 4.5 out of 5	2011 - 2013
Secondary School Certificate Bangladesh Navy School And College Chittagong CGPA: 5 out of 5	2010 - 2011

EMPLOYMENT

Team Lead Krada Game Studio	1st January 2023 - Appearing
Supervising the game team to develop mobile based hybrid casual games. Helping the programmers to optimize their code and problem solving. Guiding the 3D art team to meet the GDD of the game. Leading the lighting and UI team for better user experience.	
Senior Game Developer Krada Game Studio	1st December 2020 - 31st December 2022
Developing Hybrid and Hyper casual games for mobile platform with Unity game engine	
Senior Game Developer Battery Low Interactive	1st January 2019 - 30th November 2020
Developing VR, AR, Motion based simulations and training softwares. Also develop campaign based experience for different company.	
Junior Game Developer Battery Low Interactive	1st January 2018 - 31st December 2019
Mostly developed Augmented Reality based apps using Unity engine and Vuforia/ARCore	

Internship

Sep 2017 – Dec 2017

Battery Low Interactive

Learnt Unity Game Engine to develop 3D and 2D games

TRAINER EXPERIENCE

Unity 3D Game Development at Flow Digital Limited. 2020

Provided Training to 20 Diploma in CSE students . (Duration: 2 months)

Learn AR VR MR at Rajshahi University Bangladesh 2019

Provided Training to 40 students of CSE Department. (Duration 4 months)

Details: <https://musabbirislam.dev/albums/Rajshahi-University-AR-VR-MR-Lab>

Hands On Training On Augmented Reality at Deffodil 2019

International University Bangladesh.

Provided Training to 40 students of CSE Department. (Duration: 1 week)

Details: <https://musabbirislam.dev/albums/Daffodil-International-University-Workshop-On-AR>

A Day With Augmented Reality at American International 2018

University Bangladesh.

Provided Training to 35 students of CSE Department. (Duration: 1 week)

Details: <https://musabbirislam.dev/albums/AIUB-A-Day-With-Augmented-Reality>

Training on Augmented Reality & Virtual Reality at BRAC 2018

University Bangladesh.

Provided Training to 20 students of CSE Department. (Duration: 1 month)

LATEST PROJECTS

Crime Investigation Simulator VR 2023

A Crime Investigation VR to create ease Bangladesh Army's crime investigation training. This is being used as a part of CMP's regular training.

Details: <https://musabbirislam.dev/portfolio/Virtual-Reality/crime-investigation-simulator>

VR Traffic Control Simulator for Center of Military Police - 2022

Bangladesh Army

This innovative VR simulation project is set to revolutionize the training and evaluation process for traffic police at the Center of Military Police.

Details: <https://musabbirislam.dev/portfolio/Virtual-Reality/traffic-control-simulator-for-center-of-military-police-bangladesh-army>

Welding VR 2021

A VR training simulator, enabling military trainees to safely and effectively learn welding through immersive simulations.

Details: <https://musabbirislam.dev/portfolio/Virtual-Reality/welding-vr>

Fire Fighting Training VR 2020

A simulated training program designed to promote fire safety by educating individuals on preventive measures and proper responses during fire incidents.

Details: <https://musabbirislam.dev/portfolio/Virtual-Reality/virtual-reality-fire-training>

THESIS & PUBLICATIONS

Publication: Road Rush: A Review on Road Traffic Analytics Systems and A Proposed Alternative

Apr 2022

This paper presents a systematic literature review of existing research on traffic congestion mitigation, critically analyzing various algorithms, frameworks, and systems

Musabbir Islam, Kaniz Fatema Fomy, Ashik Mahmud, and Shamsur Rahim. "Road Rush: A Review on Road Traffic Analytics Systems and A Proposed Alternative." *International Journal of Information Technology and Computer Science (IJITCS)*, Vol.14, No.2, pp.54-63, 2022. DOI: 10.5815/ijitcs.2022.02.05.

Book Publication (i): Khela Hobe, A Beginners Guide to Game Development

2023

This book is the first-ever Bangla book on game development using Unity game engine, Its a comprehensive coverage of game development sectors, step-by-step guidance with practical tutorials.

Publisher: Tamralipi Publication, Published on National Book Fair, Bangladesh 2022.

Link: <https://www.tamralipi.com/shop/%e0%a6%96%e0%a7%87%e0%a6%b2%e0%a6%be-%e0%a6%b9%e0%a6%ac%e0%a7%87/>

Book Publication (ii): Live Akibuki (AR Coloring Book)

An Augmented Reality app-based live coloring book allowing children to bring their colored creations from the book to life in 3D with animations and audio.

Publisher: Adarsha Publication, Published on National Book Fair, Bangladesh 2020.

Link: <https://adarsha.com.bd/live-akibuki/>

Thesis: Smart Mirror For A Better And Healthy Lifestyle

2017

The proposed project involves developing a smart mirror integrated with sensors, actuators, and a processing unit to monitor human skin conditions and enhance home security using existing techniques. Submitted for the degree of BSC in CSE.

Supervisor: Assistant Professor MD. Asif Ur Rahman

Department of Computer Science

Fall,2017

SKILLS

- Familiar with C, C++, C#, Java programming language
- Familiar with OpenGL
- Working Knowledge of C#
- Solid Knowledge of OOP, Algorithm, Data Structure.
- Sound knowledge on Unity Game Engine
- Worked with AR SDK like Vuforia, ARCore, AR Foundation
- Experienced with VR SDK Windows Mixed Reality, Oculus, Google VR
- Developed motion based game with Kinect v2
- Work well independently and within a team setting

CERTIFICATES

Bangladesh-Japan ICT Engineers Training (B-JET) Program

2019

Four Month long training on Information, Communication Technology & Japanese Business Manner conducted by Japan International Cooperation Agency (JICA) and Bangladesh Computer Council

Cisco Networking Academy IT Essentials

2016

Cisco Networking Academy IT Essentials course completion certificate administered by the undersigned instructor

The Zen Of Python	2016
A day long workshop on python organised by American International University Bangladesh	
PSIM Simulation Tool	2016
A workshop on PSIM Simulation Tool organised by Engineering Student's Association of Bangladesh	
A Day for Quadcopter	2016
workshop on how to build a quadcopter organised by Engineering Student's Assosiation of Bangladesh	
Bangladesh Android Studyjam	2015
Training on developing apps using android studio	

REFERENCES

Istiaque Ahmed
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Abhijit Bhowmik
 Associate Professor, American International University Bangladesh
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