Mr. Kazi Jahid Hasan

Assistant Professor

Department of Multimedia & Creative Technology

Faculty of Science and Information Technology

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PROFILE

Kazi Jahid Hasan is an Assistant Professor in the Department of Multimedia and Creative Technology (MCT), Faculty of Science and Information Technology, Daffodil International University (DIU), Dhaka, Bangladesh. He teaches 3D design and modeling, lighting and rendering, texturing, industrial design and 3D printing, and user interface and experience design. His research covers human-computer interaction (HCI), augmented, virtual and mixed reality, immersive learning, 3D visualization, the digitization of cultural heritage, and the use of generative AI in 3D production pipelines. He holds a B.Sc. in Multimedia and Creative Technology (CGPA 3.95 out of 4.00, the highest in his department) and an M.Sc. in Computer Science and Engineering (CGPA 3.81 out of 4.00), both from DIU. He is an Autodesk Certified User in Maya and an Adobe Certified Professional in Visual Design. He has co-authored 19 publications with publishers including Springer Nature, IET, IEEE and Atlantis Press, and has supervised more than 50 undergraduate projects, theses and internships. He is Member Secretary of the DIU AI Ethics and Implementation Committee and lead author of the DIU AI Ethics and Implementation Guideline v2.0.

Research Interests: 3D Modeling and Visualization, Lighting, Rendering and Physically Based Lighting, Human-Computer Interaction, Augmented Reality, Virtual Reality, Mixed Reality, Extended Reality, 3D Printing and Digital Fabrication, Immersive Technology for Learning, Generative AI in 3D Production Pipelines, 3D Digitization of Cultural Heritage, User Experience (UX) Design

EXPERIENCE

Research Associate — Daffodil International University
Jan 2021 – Dec 2021

Faculty — AAV3D
Feb 2020 – Dec 2020

Visualizer — Drawing Juice
Mar 2019 – Dec 2020

Student Associate — Daffodil International University
Sep 2019 – Aug 2020

Multimedia Instructor — KJ Tutorial
Jun 2017 – May 2019

Team Leader — Daffodil International University
Jul 2019 – Oct 2019

Media Support — Sonalibazar
Mar 2019 – May 2019

Visual Production Specialist — News Light
Jul 2016 – Dec 2016

Lecturer — Daffodil International University
Jan 2022 – Apr 2024

Senior Lecturer — Daffodil International University
May 2024 – Jun 2024

Guest Faculty — Tokat Gaziosmanpasa University
Oct 2023 – Oct 2023

Creative Consultant — Spiral World
Jan 2021 – Dec 2022

PUBLICATIONS (19)

1. A Comparative Analysis of the Rise of Git-Based Distributed Collaborative Hosting Platforms: Survey, Performance Test, and Comparison *(Asian Journal of Engineering and Applied Technology)* · 2023

2. Augmented reality and virtual reality: Prospective technology of Bangladeshi journalism *(Handbook of Digital Journalism: Perspectives from South Asia)* · 2024
3. Augmented Reality in Elementary Education: System Architecture for Implementing an Interactive and Immersive E-Learning Application *(International Journal of Interactive Mobile Technologies)* · 2024
4. Preserving Intangible Cultural Knowledge through Interactive 3D Heritage Objects: A Case Study of Traditional Bangladeshi Tools and Practices *(Science, Engineering Management and Information Technology (Springer Nature Switzerland), pp. 616-637)* · 2026
5. A Double Diamond-Driven UX Framework for an AI-Assisted E-Learning Platform: Design and Usability Evaluation in Bangladesh *(Science, Engineering Management and Information Technology (Springer Nature Switzerland), pp. 598-615)* · 2026
6. AIoT-Enabled Real-Time Water Quality and Fish Health Monitoring System for Smart Aquaculture *(Proceedings of IDAA 2025, Advances in Intelligent Systems Research (Atlantis Press), pp. 1197-1213)* · 2026
7. Hybrid Vision Transformer and Convolutional Network for Automated Road Damage Detection *(IET Image Processing)* · 2026
8. A Comparative Evaluation of Lightweight and Explainable Models for Automated Skin Lesion Segmentation *(2026 IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence and Networking (QPAIN))* · 2026
9. A Coverage-Preserving Ensemble Framework with Minority Recovery for Robust Indoor Localization *(International Journal of Activity and Behavior Computing)* · 2026
10. Temporal Convolutional Network Based Indoor Location Recognition from BLE Beacon Signals in Nursing Care Facility *(International Journal of Activity and Behavior Computing)* · 2026
11. Cloud-Based Multi-Lingual License Plate Recognition Using YOLO and OCR *(Communications in Computer and Information Science, Vol. 2854 (ODSIE 2025), Springer Nature Switzerland)* · 2026
12. Virtual Reality Exposure Therapy for Acrophobia: A Systematic Review of Clinical Evidence *(Daffodil International University Journal of Science and Technology)* · 2026
13. Deep Transfer Learning for Rice Blast Disease Classification: A Multi-Model Comparative Study *(Communications in Computer and Information Science)* · 2026
14. Low-Cost, High-Consistency Process Flow for Audio-Visual E-Learning Content Development for Foundational Computer Education on YouTube *(Daffodil International University Journal of Science and Technology)* · 2025
15. Design and Development of an Immersive Virtual Reality Learning Environment for STEM Education *(Book chapter, September 2026 (venue and DOI to be confirmed))* · 2026
16. Addressing Technical Challenges and Workflow Optimization in 3D Prototype Manufacturing with Creality Ender 3 V2 Neo *(Communications in Computer and Information Science)* · 2026
17. A Comparative Study of AI-Generated 3D Models and Conventional Software-Based 3D Modeling Techniques: Accuracy, Efficiency, and Creative Potential *(Communications in Computer and Information Science)* · 2026
18. On-Device Neural Network for Object Train and Recognition using Mobile *(International Journal of Interactive Mobile Technologies)* · 2024
19. Deep Learning for Cultural Heritage: A Mobile App for Monument Recognition Using Convolutional Neural Networks *(International Journal of Interactive Mobile Technologies)* · 2025

TEACHING AREAS

Fundamental of 3D Design and Modeling · 3D Design and Modeling · Computer Fundamentals · Lighting and Rendering · Texturing · User Interface and Experience Design · Industrial Design and Innovation Technology (3D Printing) · Lighting and Rendering Lab · Augmented Reality and Virtual Reality Development

EDUCATION

Master of Science
Daffodil International University · 2022
Result: 3.81 / 4.0

Bachelor of Science
Daffodil International University · 2021
Result: 3.95 / 4.0

SKILLS

Autodesk Maya (Autodesk Certified User) · Autodesk 3ds Max · 3D Modeling and Visualization · Lighting and Rendering · Texturing and Material Creation · 3D Printing and Digital Fabrication · UI/UX Design (Figma) · Adobe Visual Design: Photoshop and Illustrator (Adobe Certified Professional) · Graphic Design · AR/VR Development · Generative AI in 3D Production Pipelines · Video Production and Documentary Filmmaking · Photography · Drawing · Digital Marketing · Python Programming · Outcome-Based Education (OBE) Curriculum Design

MEMBERSHIPS

Committee Member · Daffodil International University
Member Secretary, AI Ethics and Implementation Committee · Local

Executive Member · Department of Multimedia and Creative Technology (MCT), Daffodil International University
General Secretary, MCT Alumni Association · Local

Others · The Duke of Edinburgh's International Award Foundation (DofE)
Award Leader, Duke of Edinburgh's International Award · International · 2023 – Present

Advisor · Daffodil International University
Advisor (Graphic Design), FAB Lab DIU · Local

Executive Member · Daffodil International University
Executive Member, DIU Astrophysics Center · Local

Others · Daffodil International University
Evaluator and Trainer, Teaching Apprentice Fellowship (TAF), HRDI · Local

AWARDS & HONORS

1st Position, KNGC Science Fair
Kabi Nazrul Govt. College, Dhaka · 2015

Winner, MCT Intro Contest
Daffodil International University · 2019

MCT Department Best Academic Result Award (3rd Year)
Daffodil International University · 2019

3rd Place, DIU ICT Carnival 2019
Daffodil International University · 2019

Voluntary Services, ICT Carnival 2018
Daffodil International University · 2018

B.Sc. Scholarship based on result, for 4 years
Daffodil International University · 2020

M.Sc. Scholarship based on B.Sc. result
Daffodil International University · 2022

Best Faculty Performer
Daffodil International University · 2025

Adobe Certified Professional in Visual Design
Adobe and Certiport · 2024

Autodesk Certified User: Maya
Autodesk and Certiport · 2024

Promising Teacher of the Department for Excellence in Teaching 2023
Daffodil International University · 2023

Change Together Award (Certificate of Recognition for Outstanding Performance and Contribution as a Faculty Member)
Daffodil International University · 2022

Certificate of recognition for the highest CGPA in the Department of Multimedia and Creative Technology, received from the then Honourable Education Minister of Bangladesh at the 9th Convocation
Daffodil International University · 2022

Teaching Apprentice Fellowship (TAF)
HRDI, Daffodil International University · 2021

President, DIU Creative Park Club
Daffodil International University · 2019

Organizing Secretary, DIU Creative Park Club
Daffodil International University · 2018

Program Secretary, DIU Creative Park Club
Daffodil International University · 2017

Voluntary Services, DIS Beautification Project
Daffodil International University · 2017

Participant, 36th Science and Technology Week
Dhaka · 2015

LINKS

ORCID | Google Scholar | ResearchGate | LinkedIn | Website