Engr. Md. Salah Uddin

Assistant Professor

Department of Multimedia & Creative Technology

Faculty of Science and Information Technology

Email: salah.mct@diu.edu.bd Phone: +8809617901233 Room: 1009



PROFILE

Md Salah Uddin received the B.Eng. degree in Computer Science and Engineering from East West University, Bangladesh, in 2014 and the M.S. degree in System and Software Engineering from the National Research University-Higher School of Economics, Russia, in 2018 and doing PhD. in Graz University of Technology, Austria. Currently, he is an Assistant Professor and Head of the Department of Multimedia and Creative Technology, Daffodil International University. His research interests include machine learning, data science, big data, cloud computing, game theory, and AR/VR.

Research Interests: Big Data, Cloud Computing, Relational Database, Internet of Things, Neural Network, Data Science, Game Theory

EXPERIENCE

Software Engineer — Alamin Travel
Jan 2018 – Jun 2018

Software Engineer — Multisourcing Ltd.
Dec 2015 – Sep 2016

Project Manager — Perky Rabbit
Jan 2016 – Sep 2016

Graduate Teaching Assistant — East West University
May 2014 – Dec 2015

Senior Software Developer — ilvi GmbH
Dec 2022 – Apr 2024

PUBLICATIONS (48)

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. Query Inversion to find data provenance *(AIRCC Publishing, DMDB-2018)* · 2018
3. Virtual reality exposure therapy for acrophobia: A systematic review of clinical evidence *(DIU Journal of Science and Technology)* · 2026
4. Virtual Ek Tara Design for SmartPhone *(CogMIR 2014)* · 2014
5. Anatomical Analysis Between Two Languages Alphabets: Visually Typographic Test Transformation in Morphological Approaches *(Communications in Computer and Information Science)* · 2020
6. Implementation of Hadoop Online Based MapReduce Mechanism to Process Big Data in Mobile Cloud Environment (MCC) *(The 2nd FTRA International Conference on Ubiquitous Computing Application and Wireless Sensor Network (UCAWSN-14))* · 2014
7. Unleashing the VEP Triplet Count of Virtually Created 3D Bangla Alphabet to Integrate with Augmented Reality Application *(Communications in Computer and Information Science)* · 2020
8. IOT Based Smart Door System Using CNN *(IEEE ELEKTRO)* · 2018
9. Augmented Reality in Elementary Education: System Architecture for Implementing an Interactive and Immersive E-Learning Application *(International Journal of Interactive Mobile Technologies)* · 2024
10. Towards Adapting NAS Mechanism over Solid State Disks *(IOSR Journals)* · 2014
11. The Architectural Design of Healthcare Service with Big-Data Storing Mechanism *(IOSR Journals)* · 2014
12. 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
13. 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
14. A IoT-enabled real-time water quality and fish health monitoring system for smart aquaculture *(Proceedings of the International Conference on Intelligent Data Analysis and Applications (IDAA 2025). Atlantis Press.)* · 2025

DIU

15. 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
16. Influences of Aqueous Nanofluid Emulsion on Diesel Engine Performance, Combustion, and Emission: IoT (Emission Monitoring System) *(Advances in Materials Science and Engineering)* · 2022
17. Introducing iSCSI Protocol on Online Based MapReduce Mechanism *(ICCSA 2014, Springer)* · 2014
18. Hybrid Vision Transformer and Convolutional Network for Automated Road Damage Detection *(IET Image Processing)* · 2026
19. The Emergence of Modified Hadoop online based MapReduce technology in Cloud Environment *(Fifth Big Data Benchmarking)* · 2014
20. 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
21. Query inversion technique for detection of unexpected values in relational databases *(IntelliSys 2018, AISC 869, Springer Nature Switzerland AG)* · 2019
22. A Coverage-Preserving Ensemble Framework with Minority Recovery for Robust Indoor Localization *(International Journal of Activity and Behavior Computing)* · 2026
23. Low-cost, high-consistency process flow for audio-visual e-learning content development for foundational computer education on YouTube *(DIU Journal of Science and Technology)* · 2025
24. 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
25. Epistemological Advancements in Cardiological Forecasting: Machine Learning as a Paradigm for Prognostic Precision *(2024 International Conference on Computer and Applications, ICCA 2024)* · 2024
26. Virtual Reality Exposure Therapy for Acrophobia: A Systematic Review of Clinical Evidence *(Daffodil International University Journal of Science and Technology)* · 2026
27. Deep Transfer Learning for Rice Blast Disease Classification: A Multi-Model Comparative Study *(Communications in Computer and Information Science)* · 2026
28. Keylogger Threat to the Android Mobile Banking Applications *(Lecture Notes on Data Engineering and Communications Technologies)* · 2022
29. 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
30. Detection and Counter Measure of Packet Misrouting by GPS-Free Positioning of Ad-Hoc Nodes *(Mobile Information Systems)* · 2023
31. A Deep Learning Approach to Detect Microsleep Using Various Forms of EEG Signal *(Mathematical Problems in Engineering)* · 2023
32. Visual Programming for Human Detection Using FaceNet in Pocket Code *(International Journal of Interactive Mobile Technologies)* · 2024
33. ML-Driven Solutions for Chronic Liver Disease: Predictive Models and Prevention Strategies *(2024 IEEE International Conference on Computing, ICOCO 2024)* · 2024
34. Analyzing Neuroimaging Epiphenomena: Machine Learning Approaches in Alzheimer's Prognostication *(2024 International Conference on Computer and Applications, ICCA 2024)* · 2024
35. A Unified Hybrid Model for Cardiovascular Risk Prediction: Merging Statistical, Kernel-Based and Neural Approaches *(Journal of Cellular and Molecular Medicine)* · 2025
36. Non-Small Cell Lung Cancer Recurrence Prediction from CT Scans Using a Hybrid CNN-Vision Transformer Model *(2026 IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence and Networking, QPAIN 2026)* · 2026
37. Addressing Technical Challenges and Workflow Optimization in 3D Prototype Manufacturing with Creality Ender 3 V2 Neo *(Communications in Computer and Information Science)* · 2026
38. Cloud-Based Multi-lingual License Plate Recognition Using YOLO and OCR *(Communications in Computer and Information Science)* · 2026
39. Deciphering Oncological Recurrence through Hybridized Machine Learning Paradigms in Thyroid Disorders *(2024 International Conference on Computer and Applications, ICCA 2024)* · 2024
40. 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)* · 2026
41. 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
42. On-Device Neural Network for Object Train and Recognition using Mobile *(International Journal of Interactive Mobile Technologies)* · 2024
43. Creating awareness about traffic jam through engaged use of stop motion animation: boomerang *(International Journal of Engineering &Technology)* · 2018
44. AR & VR Based Child Education in Context of Bangladesh *(Saudi Journal of Engineering and Technology)* · 2019
45. Identification of Construction Era for Indian Subcontinent Ancient and Heritage Buildings by Using Deep Learning *(International Congress on Information and Communication Technology)* · 2021
46. Heritage Building Era Detection using CNN *(IOP Conference Series: Materials Science and Engineering)* · 2019
47. Implementation of smart indoor agriculture system and predictive analysis *(Communications in Computer and Information Science)* · 2019

48. Deep Learning for Cultural Heritage: A Mobile App for Monument Recognition Using Convolutional Neural Networks *(International Journal of Interactive Mobile Technologies)* · 2025

TEACHING AREAS

Structured and OOP Programming | Multimedia Authoring | Database | Game Theory | Script Programming | Web Development | Computer Network | Artificial Intelligence

EDUCATION

Master of Science
National Research University- Higher School of Economics · 2018
Result: 8.92 / 10.0

Bachelor of Science
East West University · 2014

SKILLS

Artificial Intelligence | Computer Vision & Face Recognition | Java Programming | Android App Development | Academic Leadership & Department Management | Research Grant & Proposal Writing | Innovation & Startup Ecosystem Development | Teaching & Mentoring

MEMBERSHIPS

Committee Member · FMEC
Technical Programming Committee member · International · 2019 – Present

Committee Member · ICIMT
Technical Programming Committee member · 2019 – Present

Committee Member · ICCBM
Technical Programming Committee member · 2019 – Present

Committee Member · International Journal of Materials Research in Science & Technology (IJMRST)
Editorial Board Member · International

AWARDS & HONORS

Russian Government Scholarship for Master's Program
Russian Government

Best Paper Presenter
DMDB Conference

Financial Scholarship
East West University

Junior Scholarship

LINKS

Website | ORCID | Scopus | Google Scholar | Web of Science