Professor Arif Ahmed



Professor

Department of Multimedia & Creative Technology

Faculty of Science and Information Technology

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PROFILE

Arif Ahmed is a pioneering 3D animator, educator, and artist in Bangladesh. Born in Tangail and raised in Dhaka, he was educated at Motijheel Post Office School, T&T High School, Notre Dame College, and Dhaka University, where he earned his B.Sc. (Hons) in Applied Physics and Electronics. He also holds an MBA. Professional Roles: Chairman and Founder / Head of Research: AAVA3D (A Centre for Research and Development of 3D Animation). Professor of Practice / Associate Professor: Department of Multimedia and Creative Technology, Daffodil International University. Director: DIU Astrophysics Center at Daffodil International University. Advisor & Ambassador: Self Healing Hub (Honorary Post). Achievements & Work: Produced hundreds of animated clips for advertisements, films, documentaries, and educational content. Author of books including Physics For Animation and ??????????? ?????????????. Accomplished artist who has participated in several group and solo art exhibitions.

Research Interests: 3D Animation, Simulation Animation, Interactive Digital Learning Materials, Physics based Animation, Online Learning Materials Creations

EXPERIENCE

Founder Director and CEO — AAVA 3D Creative Technology
Jan 2010

Technical Director — Studio AAVA 3D
Jan 2010

Associate Professor — Daffodil International University
Mar 2010

3D Artist, Sr. Faculty — Daffodil International Professional Training Institute (DIPTI)
Mar 2009 – Dec 2014

Technical Director — Dot 3 Production (Pvt) Ltd.
Oct 2010 – Oct 2012

Faculty (Part Time) — Stamford University
Jan 2008 – Mar 2010

Head of 3d Animation — Daffodil Multimedia
Jan 2003 – Mar 2009

Consultant — Animedia Arts Ltd.
Mar 2005 – Dec 2006

Director, Research & Production — Soft Reality
Jul 2002 – Dec 2003

Chief of Multimedia — Softamation
Oct 2000 – Jun 2002

3D Animator — UNIFOCUS Telefilm ltd.
Jan 1997 – Apr 2002

Faculty of Multimedia (part time) — SYSCON
Jan 1997 – Apr 2002

Multimedia Instructor (part time) — INFORMIX
Jan 1999 – Apr 2003

Director — The Basic Physi_Math Centre
Jan 1986 – Apr 1997

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PUBLICATIONS (23)

1. Child Education through Animation: An experimental Study *(International Journal of Computer Graphics and Animation (IJCGA))* · 2014
2. Interactive Digital Leaning Materials for Kindergarten Students in Bangladesh *(International Journal of Trends in Computer Science (IJTICS))*
3. Texture Feature based Image Retrieval Algorithms *(International Journal of Engineering and Technical Research (IJETR))* · 2014
4. Performance improvement of THz MIMO antenna with graphene and prediction bandwidth through machine learning analysis for 6G application *(Results in Engineering)* · 2024
5. Anatomical Analysis Between Two Languages Alphabets: Visually Typographic Test Transformation in Morphological Approaches *(Communications in Computer and Information Science)* · 2020
6. Unleashing the VEP Triplet Count of Virtually Created 3D Bangla Alphabet to Integrate with Augmented Reality Application *(Communications in Computer and Information Science)* · 2020
7. Meta learner-based optimization for antenna efficiency prediction and high-performance THz MIMO antenna applications *(Results in Engineering)* · 2025
8. Regression machine learning-based highly efficient dual band MIMO antenna design for mm-Wave 5G application and gain prediction *(Scientific Reports)* · 2025
9. ANN-based performance estimation of a slotted inverted F-shaped tri-band antenna for satellite/mm-wave 5G application *(Telkomnika (Telecommunication Computing Electronics and Control))* · 2024
10. 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
11. An Automated Visa Prediction Technique for Higher Studies Using Machine Learning in the Context of Bangladesh *(Lecture Notes in Networks and Systems)* · 2022
12. An Intelligent and Secured Tracking System for Monitoring School Bus *(2020 International Conference on Computer Communication and Informatics, ICCCI 2019)* · 2019
13. Broadband high gain performance MIMO antenna array for 5?G?mm-wave applications-based gain prediction using machine learning approach *(Alexandria Engineering Journal)* · 2024
14. Regression supervised model techniques THz MIMO antenna for 6G wireless communication and IoT application with isolation prediction *(Results in Engineering)* · 2024
15. Machine learning based compact MIMO antenna array for 38 GHz millimeter wave application with robust isolation and high efficiency performance *(Results in Engineering)* · 2025
16. High Performance Quad Port Compact MIMO Antenna for 38 GHz 5G Application with Regression Machine Learning Prediction *(Journal of Infrared, Millimeter, and Terahertz Waves)* · 2025
17. High-isolation dual-band MIMO antenna for next-generation 5G wireless networks at 28/38 GHz with machine learning-based gain prediction *(Scientific Reports)* · 2025
18. A high-gain THz microstrip patch antenna designed for IoT and 6G communications with predicted efficiency using machine learning approaches *(e-Prime - Advances in Electrical Engineering, Electronics and Energy)* · 2025
19. A comprehensive dataset of mandarin leaf images for classification *(Data in Brief)* · 2025
20. Unveiling the antifungal potential of Xantolis assamica methanolic leaf extract: A phytochemical investigation and in silico analysis *(Computational Biology and Chemistry)* · 2026
21. High-Performance Multiband THz MIMO Antenna for Future 6G Wireless Communications with Machine Learning Validation *(Journal of Communications)* · 2026
22. Enhancing Two-Wheeler Rider Safety with Helmet-Based Head Movement Monitoring and IoT Integration Using Safe Angle Formula *(Statistics, Optimization and Information Computing)* · 2026
23. Addressing Technical Challenges and Workflow Optimization in 3D Prototype Manufacturing with Creality Ender 3 V2 Neo *(Communications in Computer and Information Science)* · 2026

TEACHING AREAS

3d Modeling · 3D Animation · Architectural Visualization · Character Animation · Effects Animation · Simulation Animations · Physics based Animation · Lighting and rendering · 3D Environment Design

EDUCATION

Bachelor of Science
University of Dhaka · 1988
Result: 2nd Class

SKILLS

Autodesk 3ds MAX · Autodesk Maya · RealFlow (Fluid Dynamic Software) · Unreal Engine · 3D Animation · Character Animation · Simulation Animation · Physics based Animation · 3D Environment Design · Lighting and rendering · Architectural Visualization · Graphic design · Video Editing · Online Course Publication · Certified Yoga teacher · Paintings in Oil and Acrylic · Certified Meditation Practitioner and Instructor · Certified Breath Works Practitioner and Instructor · Astronomy and Astro Paintings (Space Art)

MEMBERSHIPS

Committee Member · 10Square Model & Future Expansion of DIU Education

AWARDS & HONORS

Best Paper Award
2nd International Conference on System Modeling & Advancement in Research Trends (SMART 2013) · 2013

Chess Champion
Dhaka University · 1989

Challenger Open Tournament Champion
· 1987

Attendance at many National level Chess tournaments

Berger Young Painters Art Competition
Berger · 1996

The Tarantula-A Multinational Group Exhibition
Zainul Art Gallery · 2005

LINKS

Facebook · YouTube · LinkedIn · Instagram