

AL AMIN BISWAS

Dhaka, Bangladesh

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EDUCATION

Iowa State University, Ames, Iowa, USA

PhD in Computer Science

August 2025 – Present

10 Credits Completed

Jahangirnagar University, Savar, Dhaka, Bangladesh

M.S. in Computer Science and Engineering (Thesis)

March 2018 – April 2019

Jahangirnagar University, Savar, Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering

January 2013 – February 2018

EXPERIENCE

Iowa State University, Ames, Iowa, USA

Graduate Teaching Assistant, Department of Computer Science

August 2025 – Present

Kishoreganj University

Assistant Professor (Study Leave), Department of Computer Science and Engineering

February 2026 – Present

Kishoreganj University

Chairman, Department of Computer Science and Engineering

October 2024 – August 2025

Kishoreganj University

Lecturer, Department of Computer Science and Engineering

February 2023 – February 2026

Daffodil International University, Dhaka

Senior Lecturer, Department of Computer Science and Engineering

January 2022 – January 2023

Daffodil International University, Dhaka

Lecturer, Department of Computer Science and Engineering

September 2018 – December 2021

PUBLICATIONS (SELECTED)

Number of Citations: 1310+ (according to Google Scholar)

- **A. A. Biswas**, M. S. Zulfiker, M. M. Rahman, M. R. Jani, and M. M. Anwar, “Data Privacy and Security Analysis for Mental Health Chatbot Applications,” *IEEE/ACM International Conference on Human-Robot Interaction (HRI 2025)*, Melbourne, Australia, March 2025. (Rank: A*) [\[Paper\]](#)
- M. S. Zulfiker, N. Kabir, **A. A. Biswas**, Md. Mashih Ibn Yasin, and M. S. Uddin, “Identifying Suicidal Ideations from Social Media Posts Using Deep Learning and Explainable AI-Driven Approach,” *Applied Soft Computing* (Elsevier, Quartile: Q1), September 2025. [\[Paper\]](#)
- **A. A. Biswas**, “A Comprehensive Review of Explainable AI for Disease Diagnosis,” *Array* (Elsevier, Quartile: Q1), July 2024. [\[Paper\]](#)
- R. Sadik, A. Majumder, **A. A. Biswas**, B. Ahammad, and M. M. Rahman, “An In-Depth Analysis of Convolutional Neural Network Architectures with Transfer Learning for Skin Disease Diagnosis,” *Healthcare Analytics* (Elsevier, Quartile: Q1), November 2023. [\[Paper\]](#)
- M. S. Zulfiker, N. Kabir, **A. A. Biswas**, S. Zulfiker, and M. S. Uddin, “Analyzing the Public Sentiment on COVID-19 Vaccination in Social Media: Bangladesh Context,” *Array* (Elsevier, Quartile: Q1), June 2022. [\[Paper\]](#)

- M. M. Rahman, B. C. Das, **A. A. Biswas**, and M. M. Anwar, “Predicting Participants’ Performance in Programming Contests using Deep Learning Techniques,” *22nd International Conference on Hybrid Intelligent Systems (HIS 2022)*, Springer, 2022. (Rank: C) [\[Paper\]](#)
- M. S. Zulfiker, N. Kabir, **A. A. Biswas**, T. Nazneen, and M. S. Uddin, “An In-Depth Analysis of Machine Learning Approaches to Predict Depression,” *Current Research in Behavioral Sciences* (Elsevier, Quartile: Q2), May 2021. [\[Paper\]](#)
- **A. A. Biswas**, M. S. Zulfiker, A. Rajbongshi, M. J. Mia, and A. Majumder, “Feature Ranking-Based Carrot Disease Recognition Using MIFS Method,” *21st International Conference on Hybrid Intelligent Systems (HIS 2021)*, Springer, 2021. (Rank: C) [\[Paper\]](#)

HONORS AND AWARDS

Best Paper Award: Third International Conference on Smart Systems: Innovations in Computing (SSIC), Springer, 2021.

Best Paper Award: International Conference on Machine Intelligence and Data Science Applications (MIDAS), Springer, 2021.

Student Scholarship: Awarded yearly university scholarship for outstanding academic performance.

Scholarship for Entrance Exam: Awarded scholarship for achieving the highest score in the undergraduate admission test.

ACADEMIC SERVICES

Session Chair: International Conference on Computer Communication and Informatics (ICCCI 2021), IEEE, India

Judge: Mujib 100 Idea Contest 2021, Organized by University Grants Commission (UGC), Dhaka, Bangladesh

Reviewer, Elsevier Journals: Computers in Biology and Medicine; Healthcare Analytics; Current Research in Behavioral Sciences; Computer Methods and Programs in Biomedicine; Computer Methods and Programs in Biomedicine Update; Array; Heliyon; Applied Nursing Research; Machine Learning with Applications; International Journal of Human-Computer Studies

Reviewer, JMIR Publications: Journal of Medical Internet Research; JMIR Medical Informatics

Reviewer, Taylor & Francis Journals: Computer Methods in Biomechanics and Biomedical Engineering; Cogent Engineering; International Journal of Digital Earth

Reviewer: IEEE Access

Reviewer, ACM SIGCHI Conference: CHI 2025 (A*); HRI 2025 (A*); MobileHCI 2025 (B)

Reviewer: International Conference on Computer Science and Application Engineering (CSAE 2022), ACM International Conference Proceedings Series, Nanjing, China

Coach: KiU Teams at the International Collegiate Programming Contest (ICPC) Asia Dhaka Regional 2024

Adviser: Computer Programming Club (2020-2021), Department of CSE, Daffodil International University, Dhaka, Bangladesh

Lead Speaker: Application of Artificial Intelligence and Technology in Education and Research, Kishoreganj University, Bangladesh, December, 2023

SKILLS SUMMARY

Programming Languages: Python, C, C++, Java

Frameworks & Libraries: PyTorch, TensorFlow, Keras, Scikit-learn, OpenCV, NLTK, Pandas, NumPy, Matplotlib, Seaborn

Development Tools & Environments: VS Code, PyCharm, Jupyter Notebook, Spyder, LaTeX, Overleaf

Platforms: Linux, Windows

Soft Skills: Leadership, Event Management, Technical Writing, Public Speaking, Time Management

Additional Skills: Academic Research, Teaching, Programming

STANDARDIZED TEST SCORE

The International English Language Testing System (IELTS)

Overall Score: 7.0

October 2024