

Krishno Dey

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Research Interests

Machine Learning, Deep Learning, Natural Language Processing, Computer Vision

Employment History

Sep 2023 – Present

📌 **Research Assistant,**
SE+AI Lab
Faculty of Computer Science
University of New Brunswick, Fredericton.

📌 **Teaching Assistant,**
Faculty of Computer Science
University of New Brunswick, Fredericton.

Jan 2022 – Present

📌 **Lecturer (On Study Leave),**
Department of Computer Science and Engineering
Faculty of Science, Information and Technology
Daffodil International University, Dhaka.

Feb 2021 – Dec 2021

📌 **Teaching Apprentice Fellow and Teaching Assistant,**
Department of Computer Science and Engineering
Faculty of Science, Information and Technology
Daffodil International University, Dhaka.

Educational Qualifications

Sep 2021 – Present

📌 **M.Sc. Computer Science.**
Thesis Topic: Syntactic and Semantic Analysis of REST and GraphQL APIs
Supervisor: Francis Palma(PhD), Assistant Professor
Faculty of Computer Science
University of New Brunswick

Jan 2017 – Mar 2021

📌 **B.Sc. Computer Science and Engineering.**
Thesis Title: *Bangladeshi Indigenous Fish Classification using Convolutional Neural Networks.*
Supervisor: Most. Hasna Hena, Assistant Professor
Faculty of Science, Information and Technology
Daffodil International University, Dhaka.
CGPA: 3.92 out of 4

Research Publications

Conference Proceedings/Workshop

- 1 Dey, K., Hasan, M. A., Tarannum, P., & Palma, F. (2023). Semantics squad at blp-2023 task 2: Sentiment analysis of bengali text with fine tuned transformer based models.

- 2 Dey, K., Tarannum, P., Hasan, M. A., & Noori, S. R. H. (2023). Nn at checkthat! 2023: Subjectivity in news articles classification with transformer based models.
- 3 Dey, K., Tarannum, P., Hasan, M. A., & Palma, F. (2023). Semantics squad at blp-2023 task 1: Violence inciting bengali text detection with fine-tuned transformer-based models.
- 4 Sardar, A. A. M., Karim, M. Z., Dey, K., & Hasan, M. A. (2023). Fakedtml at checkthat! 2023: Identifying check-worthiness of tweets and debate snippets.
- 5 Tarannum, P., Hasan, M. A., & Dey, K. (2023). Z-index at blp-2023 task 2: A comparative study on sentiment analysis.
- 6 Tumpa, E. S., & Dey, K. (2022). A review on applications of machine learning in healthcare. In *2022 6th international conference on trends in electronics and informatics (icoei)* (pp. 1388–1392). IEEE.
- 7 Dey, K., Hassan, M. M., Rana, M. M., & Hena, M. H. (2021). Bangladeshi indigenous fish classification using convolutional neural networks. In *2021 international conference on information technology (icit)* (pp. 899–904). IEEE.

Reviewer

2023	■ The 2023 Conference on Empirical Methods in Natural Language Processing, December 2023, EMNLP, Singapore
	■ BLP2023 Bangla Language Processing Workshop, December 2023, EMNLP, Singapore
2022-2023	■ CLEF 2022 and 2023: Conference and Labs of the Evaluation Forum Conference and Labs of the Evaluation Forum
2022-Preset	■ International Journal of Advances in Soft Computing and its Applications, ISSN: 2074-8523

Technical Skills

ML/NLP/Vision	■ PyTorch and Keras, Transformers, NLTK, OpenCV.
Programming	■ C, C++, Python, PHP, Java
Web Dev	■ HTML, XML, CSS, Bootstraps, JavaScript, jQuery.
Databases	■ SQL Server, MySQL, SQLite, Firebase.
Environments	■ Microsoft Visual Studio, PyCharm, Jupyter Notebooks, Eclipse.
Operating Systems	■ Windows, MacOS, Ubuntu, Debian, Parrot.






Awards and Scholarships

2023	■ Award , Board of Governors Merit Awards for Graduate Studies, Faculty of Computer Science, University of New Brunswick.
Sep 2023-Aug2025	■ Award , Masters International Differential Tuition Scholarship/Waiver, Faculty of Computer Science, University of New Brunswick
Sep 2023-Aug 2025	■ Award , Graduate Academic Award (GAA) / Graduate Research Award (GRA), Faculty of Computer Science, University of New Brunswick




Awards and Scholarships (continued)

- 2021  **Award**, Research Award Research Publications, Research Division, Daffodil International University (DIU).
- 2021-2021  **Fellowship**, Teaching Apprentice Fellowship, Faculty of Science and Information Technology, Daffodil International University (DIU).
- 2017-2020  **Scholarship**, Tuition fee waiver based on the academic result in 10 semesters out of 12 semesters from the Faculty of Science and Information Technology, Daffodil International University (DIU).







Training / Workshop / Seminar Experience

- Apr 2023  Introducing Complex Engineering Problem in Final Year Design Project, Organized by Institutional Quality Assurance Cell (IQAC), Daffodil International University.
Speaker: Professor Dr. Ahmed Wasif Reza, A BAETE Expert, East West University, Dhaka
- Jul 2022  Day-long Onsite OBE Training, Organized by Department of Computer Science and Engineering, Daffodil International University.
Facilitator: Professor Dr. Ahmed Wasif Reza, East West University, Dhaka
-  Seminar on OBE Activities and Practices at University Level, Organized by Department of Computer Science and Engineering, Daffodil International University.
Speaker: Professor Dr. Hasan Sarwar, Member, (BAETE), IEB, United International University, Dhaka
- Jan 2022-Dec 2022  Teacher Training Program, a monthly training program of diverse teaching, research, and learning domains by the Human Research Development Institute, Daffodil International University.
- Jan 2022  Teacher Training Program, Attended 'Participatory Engaging Teaching (PET)' Training for 8 days arranged by Human Research Development Institute, Daffodil International University.
- Feb 2021-Dec 2021  Teaching Apprentice Fellowship a monthly training program of diverse teaching, research, and learning domains by the Human Research Development Institute, Daffodil International University.
- Dec 2020-Jan 2020  32-day Mentorship and Leadership Development Training Program Under Teaching Apprentice Fellowship Selection Process by Human Research Development Institute, Daffodil International University.

Undergraduate Projects

- Jan 2020 – April 2020  **Light Football Manager Simulation Game with MySQL and PHP**
- Jan 2019 – April 2019  **Student Information System with SQL Server and Java**
- Sep 2018 – Dec 2018  **Restaurant Management System with Assembly language**

University/Department Service

- Feb 2023  **Organizer**, – National Girls Programming Contest 2022, Bangladesh.
- Jul 2022-Dec 2023  **Organizer**, – Take-Off Programming Contest, Dept. of CSE, DIU.
- Jan 2023 - Dec 2023  **Advisor**,– Daffodil International University (DIU) ACM
- Jan 2022- Jan 2023  **Member**, - Dropout Prevention and Recovery Committee, January 2022-January 2023 University (DIU).
- Jul 2022- Sept 2023  **Co-Coordinator**, of all sections of CSE122 – Programming and Problem-Solving and CSE123 – Programming and Problem-Solving Lab
- Aug 2022  **Recruiter**, Lab Associate Recruitment Team, Semester Fall 2022.

References

Available on Request