Krishno Dey

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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
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

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.

Projects

Sep 2023 – Present   🔖 **Analyzing Linguistic Quality of REST and GraphQL APIs with NLP**

Jan 2020 – April 2020   🔖 **Light Football Manager Simulation Game with MySQL and PHP**

Research Interests

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

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

Awards and Scholarships

2023   🔖 **Award**, Board of Governors Merit Awards for Graduate Studies, Faculty of Computer Science, University of New Brunswick.

Awards and Scholarships (continued)

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

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.

Training / Workshop / Seminar Experience (continued)

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.

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 2023University (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