

Krishno Dey

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🌐 <https://krishnodey.github.io>

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Research Interests

Machine Learning, Deep Learning, Natural Language Processing, Software Engineering, 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: Software Quality Prediction with Machine Learning Models
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., Tarannum, P., Hasan, M. A., & Noori, S. R. H. (2023). Nn at checkthat! 2023: Subjectivity in news articles classification with transformer based models.

- 2 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.
- 3 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.
- 4 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.

Research Experience

Sep 2023- Present

■ Research Assistant

Thesis Topic: Software Quality Prediction with Machine Learning Models

Supervisor: Francis Palma(PhD), Assistant Professor, FCS, UNB [Presenting a machine learning-based automatic software quality prediction model]

Jan 2022- Present

■ Lecturer

Research Topics: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision

Supervision: Supervising undergraduate student with their thesis works

Jan 2021- Dec 2021

■ Teaching Apprentice Fellow and Teaching Assistant

Research Topics: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision

Supervision: Helped undergraduate students with thesis works, report writing etc.

Sep 2019 - Jan 2021

■ Undergraduate Thesis,

Bangladeshi Indigenous Fish Classifications using Convolutional Neural Networks

Supervisor: Most. Hasna Hena, Assistant Professor, FSIT, DIU

[Presenting fast and automatic indigenous fish classification with great accuracy and other performance measures]

Teaching Experience


Sep 2023- Present

■ Teaching Assistant

Course: Programming and Problem Solving for Engineers

Course Instructor: Connor Wilson, Assistant Teaching Professor, FCS, UNB

Teaching Experience (continued)

Jan 2022- Present  **Lecturer**

Selective Course: taught at Daffodil International University

CSE122: Programming and Problem Solving

CSE123: Programming and Problem Solving Lab

CSE315: Artificial Intelligence

CSE412: Big Data and IoT

Jan 2021- Dec 2021  **Teaching Assistant**

Selective Course:

CSE122: Programming and Problem Solving

CSE123: Programming and Problem Solving Lab

CSE504: Software Development Methodology

CSE620: Software Project Management

Instructor: Sheak Rashed Haider Noori, Ph.D., Professor and Associate Head, Department of CSE at Daffodil International University-DIU.











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**




Technical Skills

Languages	 Strong reading, writing and speaking competencies for Bengali and English.
Coding	 Python, PHP, Java, C, C++, Assembly Language.
Web Dev	 HTML, XML, CSS, Bootstraps, JavaScript, jQuery.
Databases	 SQL Server, MySQL, SQLite, Firebase.
Environments	 Android Studio, Jupyter Notebooks, Google Colab, Kaggle Notebooks, Codeblocks, Netbeans, Emulator (8oX86), Eclipse, SQL Server, xampp, PyCharm, Sublime Text, Microsoft Visual Studio.
Operating Systems	 Windows, Android, Ubuntu, Debian, Parrot OS.
Circuit Simulation	 Tinkercad, OrCAD.
Presentation Tools	 Prezi, Microsoft PowerPoint, WPS Presentation, Google Slides.
Type Setting	 Microsoft Word, Google Docs, Latex, WPS Writer.
Misc.	 Academic research, teaching, training and publishing.








Awards and Scholarships

2023  **Award**, Board of Governors Merit Awards for Graduate Studies, from FCS, UNB.

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.

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