

Malika Muradi

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Education

- Oct 2021-Jan 2025 **Bachelor of Science in Computer Science**, *BRAC University*, Dhaka, Bangladesh.
○ Recipient of full scholarship to pursue my undergraduate degree.
- 2018- 2021 **Bachelor of Computer Science** , *Kateb University*, Kabul, Afghanistan.
- 2017 **12 Grade diploma**, *Sayed Al- Shuhada Girl High School*, Kabul, Afghanistan.

EXPERIENCE

- Jun 2024-present **Research Intern**, *Advanced Machine Intelligence Research Lab (AMIRL)*, Dhaka, Bangladesh.
○ Literature reviewing and summarizing exciting research paper
○ Helped in Data Collection and Preprocessing.
○ Helped in model Development and testing.
- Mar-Aug' 2021 **Manager**, *Marefat International language academy(MILA)*, Kabul, Afghanistan.
○ Managing student's registration and MILA data entry
○ Preparing certificate and Creating daily and monthly reports
- Apr-Jun' 2018 **Teacher** , *Rafi Primary School*, Kabul, Afghanistan.
○ Supervised and helped students in extracurricular activities, class project and club.
○ Taught 25 students of grade three and maintained their attendance and class activities

Projects and Publications

- Jan 2024-Present **Unveiling Agricultural Insights: Leveraging Deep Learning for Enhanced Diagnostic Accuracy in Maize Disease Detection with Explainable Artificial Intelligence** .
○ A collaborative research with colleagues at BRAC university. Its Accepted at The 6th International Conference on Advances in Distributed Computing and Machine Learning (ICADCML) - 2025.
○ Utilized deep learning techniques to detect maize crop diseases, achieving highest accuracy with EfficientNetV2B2 at 92%.
○ Incorporated Explainable AI methods for transparent decision-making, enhancing model interpretation.
- Sep-Dec'2023 **BERT-Based Emotion Recognition: A Comprehensive Study in Dari Texts with Explainable AI.**
○ Accepted and presented at the 3rd International Conference on Computing Advancements (ICCA 2024). The proceedings will be published in ACM Digital Library (indexed in Scopus). ICCA 2024 Accepted Papers (October, 2024)
○ Utilized Multilingual BERT and ParsBERT for emotion detection in Dari text.
○ Implemented LIME XAI.

- Feb- **Towards Reducing Gender Bias in South Asian Machine Translation.**
- Mar'2023
 - o Collaborated with colleagues at BRAC University, Bangladesh, this research is under review for publication in IEEE Transactions on Affective Computing, 2024.
 - o Addressed gender bias in South Asian language machine translation.
- Feb'2023 **Youth Hope Circle.**
- o HTML, CSS, JavaScript
 - o Built a web system for a nonprofit organization

Conferences and Workshop presentation

- Nov 2024 **The International Conference for High Performance Computing, Networking, Storage, and Analysis, Atlanta, GA.**
- o Selected as one of 20 students worldwide to receive the SIGHPC HPC Immersion Fund for the SC24 conference
- Aug 2019 **Pamir International Model United Nations 2019(PIMUN).**
- o Participated as a delegate of UNGA representing Ecuador at fourth edition of PIMUN [Link]
- 2019 **Future leader.**
- o Powered by Bard college and the American university of Central Asia (AUCA)
 - o Volunteered to help and support children's education for a three days program Children had a tour to Afghanistan national Institutes of music

Extra-curricular Activities

- 2023-Present founder and Member of Youth Hope Circle
- Two-day leadership camps for underprivileged students
- Sponsored by Asian University for Women and Korean Export Product Zone(KEPZ), Chittogram, Bangladesh
- 2023-2024 Co-founder and Vice President of Brac University Multicultural Club
- Conducted various event to promote cultural diversity and awareness.
- 2022-2023 The Bronze Standard of The Duke of Edinburgh's International Award
- Completed a series of challenges in 4 areas : volunteering, Physical recreation, Skill, community service, and outdoor adventure
- Demonstrate commitment, resilience, teamwork, and leadership skill through volunteering at a local charity, learning new skill for at least three months [Link]
- May'2023 Attended a two day Leadership Bootcamp orgnized by student life for the club Panel member [Link]
- Aug 2021 4th ICPC Asia Kabul Regional Programming Contest(technical team)
- Installing and configuring hardware and software and Resolving network issues.[Link]
- 2020-2021 Google Developers Students club-Kateb University, Kateb University
- Conducted various workshops and information session for Student

Skills

Language Python, HTML/CSS, C/C++,Java, Javascript

Reference

Available upon request.