

Naima Islam Nodi

Lebenslauf



Angaben zur Person

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Staatsangehörigkeit Bangladeschi
Geburtstag 06.04.1996, Bangladesch
Visa-Status Residence Permit - 16b

Studium

2022 - Studium fortlaufend **Master of Science in Natural Language Processing, Universität Trier, Deutschland**
Note: **2.2/1.00**

2015 - 2019 **Bachelor of Science in Computer Science and Engineering, Bangladesh Army University of Science and Technology, Saidpur Cantonment, Bangladesh,**
Thesis: Correcting Bangla spelling error using clustering algorithm and modified dictionary
Note: 3.98/4.00 (entspricht im deutschen Notensystem einer **1.1/1.0**)

Berufserfahrung

05/2025 - Present **Studentische Hilfskraft, xPrEs: DFG Funded Projekt, Universität Trier**

- Working on a novel content representation paradigm for multimedia documents by modeling sequences of attention shifts across multiple modalities.
- Investigating and analyzing similarities and differences between human perceptual patterns and those learned by state-of-the-art representation learning techniques.

08/2024 - 01/2025 **Studentische Hilfskraft, Universität Trier**

- Worked on *Mismatch Condition in Machine Speaker Identification* project.
- Designed the interface for recording the Human observations and perceptions on the similar audio samples followed by the analysis of the data for scientific publication.
- Implemented machine learning models, applied feature extraction and noise robustness techniques to improve speaker recognition performance across varying acoustic conditions.

- 01/2020 - 08/2023 **Lecturer, Ranada Prasad Shaha University, Narayanganj, Bangladesh**
- Developed contents and delivered lectures on Machine Learning and Neural Networks to class of 80+ students, fostering a deep understanding of concepts and practical applications.
 - Designed and taught coursework on Object-Oriented Programming (OOP) concepts and principles using Java.
 - Collaborated with a multidisciplinary team of faculty members to revise curriculum, improving course content and delivery methods, resulting in a 20%+ increase in student engagement.
- 07/2019 - 01/2020 **Teaching Assistant, Bangladesh Army University of Science and Technology, Saidpur Cantonment, Bangladesh**
- Assessed assignments, quizzes and projects for a class of 50 students, ensuring timely and accurate feedback to support academic performance.
 - Prepared engaging course materials and presentations for semester lectures, enhancing student understanding and retention.

Fähigkeiten

Sicherer Umgang	Python (Pandas, NumPy, Matplotlib, Plotly, Tensorflow, NLTK, Transformers, SpaCy, Wav2vec2), Microsoft Office (Word, Excel, Powerpoint), \LaTeX
Grundkenntnisse	Git, JAVA, C++, Linux
Sprachkenntnisse	Bengalisch(native), Englisch(C1), Deutsch(B1.1)
Freiwilligenarbeit	Co-Referenten*innen Autonomes Referat ausländischer Studierender (RASt), Universität Trier.

Projekte

Digital Doppelgangers	An automatic pipeline for generating agent producing synthetic posts that are highly similar to the real social media users across multiple dimensions.
Voice Twins	Speaker recognition in forensic contexts based on similar sounding monozygotic twins.
Argument Mining and Reasoning	Aligning Argument Structures and Sentiment Shifts in Rejection Letters: A Study of Conflicting Communication Dynamics.
Text Generation	N-gram based text generation model for low resource language (Bengali).
Recommendation System	A CNN based recommendation system to develop the collaborative filtering in recommending movie for personalized use.