

## CV of Subungshri Basumatary

**Name:** Dr. SUBUNGSHRI BASUMATARY

**Designation:** Assistant Professor

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**Sex:** Female

**Date of Birth:** 19<sup>th</sup> January, 1992

### **Educational Qualifications:**

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 <sup>th</sup> Std.	2007	SEBA	
2	HSSLC/10+2 Std.	2010	AHSEC	Science
3	B.TECH	2015	CENTRAL INSTITUTE OF TECHNOLOGY, KOKRAJHAR	Computer Science and Engineering
4	M.TECH	2017	TEZPUR UNIVERSITY	Information Technology
5	Ph. D.	2025	CENTRAL INSTITUTE OF TECHNOLOGY, KOKRAJHAR	Word Sense Disambiguation (WSD) in North-Eastern Languages :with references to Bodo and Assamese Languages

### **Languages known (Read, Write & Speak):**

English, Assamese, Hindi, Bodo, German.

### **Academic Experience:**

- Assistant Professor  
Department of IT  
Mahatma Gandhi University, Meghalaya (From 14<sup>th</sup> March, 2018 to 29<sup>th</sup> August, 2019)

- Teaching Assistant (Lab)  
Department of Computer Science & Engineering  
Central Institute of Technology, Kokrajhar (From 1<sup>st</sup> January, 2022 to 30<sup>th</sup> December, 2023)

### **List of Publications:**

#### **Journals:**

1. 'Deep CNN based Question Classification Model for Mizo Natural Language Processing', Journal of Science & Technology, Mizoram University. Mizoram University, 2024.
2. 'Word Sense Disambiguation applied to Assamese-Hindi Bilingual Statistical Machine Translation', Journal of Engineering, Technology & Applied Science Research. Technology & Applied Science Research, 2024.
3. 'Word sense disambiguation task for Bodo language using Attention based Deep CNN architecture', Journal of International 'Word sense disambiguation task for Bodo language using Attention based Deep CNN architecture', Journal of International Journal of Computing and Digital Systems, 2025.
4. 'Word Sense Disambiguation for Low-Resource Indian Languages Using Machine Learning And Deep Learning Techniques: 'Word Sense Disambiguation for Low-Resource Indian Languages Using Machine Learning And Deep Learning Techniques: State Of The Art, Current Trends And Challenges' Journal of Multimedia Tools and Applications (communicated).

#### **Book Chapters:**

1. Published book chapter on 'Smart Innovation, Systems and Technologies' Volume 373, Modeling, Simulation and Optimization Proceedings of CoMSO 2022 by Springer Nature.
2. Published book chapter on "Computational Intelligence in Communications and Business Analytics", 6<sup>th</sup> International Conference of CICBA 2024 by Springer Nature.

### **International/National Conferences:**

1. Paper 'Cancer Text Article Categorization and Prediction Model Based on Machine Learning Approach' on (IEEE 3rd Mysore Sub Section International Conference (MysuruCon)) held in Malnad College of Engineering, Hassan, Bangalore on 1-2 December, 2024.
2. Presented a paper on 'Word Sense Disambiguation for BODO language in Speech Processing' (1st International Conference of NATIVERS' INSTITUTE OF BODOLOGY NIB on Oral Resources of Bodo Languages Literature, Culture and History) held in Central Institute of Technology, Kokrajhar on 10-11 June, 2023.
3. Presented a paper on 'An approach to Bodo Word Sense Disambiguation (WSD) using Word2Vec'(3rd International Conference on Modelling, Simulation and Optimization, CoMSO) held in National Institute of Technology, Silchar on 21-23 December, 2022.
4. Presented a paper on ' Word Sense Disambiguation (WSD) using a machine learning (National Conference on Science & Technology for Sustainable Development, STSD-2022) held in Science College, Kokrajhar, on 9-10 September, 2022.
5. Paper 'A diabetes prediction model using various Machine Learning approach' on 2<sup>nd</sup> International Conference on Data-Driven AI (ICDDA-2025), 7-9<sup>th</sup> May, 2025.

**Poster Presentation/ Research Conclave/Workshop:**

1. Presented a poster on Medical Image Computing workshop, held on Indian Institute of Science (Bengaluru), India on 24-25th Feb, 2023.
2. Poster presentation, Bodoland International Knowledge Festival, 2023, organized by Bodoland Territorial Region (BTR) and Bodoland University, Kokrajhar, India on 27th Feb – 2nd March 2023.
3. Poster presentation , Indian Institute of Technology, Guwahati, organized by IEEE-GCON 2023, India on 23-25th June, 2023
4. Presented a paper on Research & Industrial Conclave -Integration'23 organized by Indian Institute of Technology, Guwahati, India on 14-16th May 2023.
5. Presented a paper on Research Conclave'24 organized by Girijananda Chowdhury University, Guwahati, India, 28 November, 2024

**Awardee & Membership:**

1. Received a scholarship from Ministry of Tribal Affairs (MoTA), Govt of India.
2. Member of IEEE (subsection) Guwahati, India. Member of IEEE (subsection) Guwahati, India.
3. Received a best online presenter on the 2<sup>nd</sup> International Conference on “Data Driven AI (ICDAA, 2025)” which is held on 7-9 May, 2025.
4. Review a paper for the journal ‘Journal of Engineering, Technology & Applied Review a paper for the journal ‘Journal of Engineering, Technology & Applied Science Research’.

**Professional Development:**

1. Organized a training session on ‘Web Designing with PHP’ in April, 2019 at Mahatma Gandhi University, Meghalaya.
2. Organized a Nation Conference on ‘Social Sciences and Humanities Seminar’ in December, 2018 at Mahatma Gandhi University, Meghalaya.

**Date:** 13/05/2025

Subungshri Basumatary