










# ZAIMA SARTAJ TAHERI

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## RESEARCH INTERESTS

**Natural Language Processing, Bangla Language Processing, Computer Vision, Deep Learning, Machine Learning**

## EDUCATION

2018 – 2023 Chittagong, Bangladesh	<b>B.Sc. Engg. in Computer Science and Engineering,</b> <i>Chittagong University of Engineering &amp; Technology</i>  <b>CGPA:</b> 3.83 with Honors out of 4 <b>Rank:</b> 6th/126 <b>Award:</b> Deans Award <b>Thesis:</b> <i>BEmoFusionNet: A Deep Learning Approach for Multimodal Emotion Classification in Bangla Social Media Posts</i>
2015 – 2017 Dhaka, Bangladesh	<b>Higher Secondary Certificate,</b> <i>Rajuk Uttara Model College</i> GPA: 5.00/5.00 <b>Award:</b> Talentpool Scholarship
2013 – 2015 Dhaka, Bangladesh	<b>Secondary School Certificate,</b> <i>Viqarunnisa Noon School &amp; College</i> GPA: 5.00/5.00

## WORK EXPERIENCE

07/2024 – present Dhaka, Bangladesh	<b>Lecturer(CSE),</b> <i>University of Asia Pacific</i>  <ul style="list-style-type: none"><li>• <b>Courses:</b> ML, Numerical Methods, Competitive Programming, Database Systems, Microprocessors and Microcontrollers</li><li>• Course file management under OBE and conduct CQI activities.</li><li>• Student counselling.</li></ul>
01/2024 – 07/2024 Dhaka, Bangladesh	<b>Lecturer(CSE),</b> <i>Northern University Bangladesh</i> <ul style="list-style-type: none"><li>• <b>Courses:</b> Software Engineering, Microprocessor &amp; Assembly Language.</li><li>• Performed invigilation duties, mentored students and supported departmental coordination tasks.</li></ul>
10/2022 – 11/2022 Dhaka, Bangladesh	<b>Industrial Attachment Trainee,</b> <i>Robi Axiata Limited   Red Dot Digital</i> I gained knowledge of the creation and operation of various applications and systems, including My Robi App, Binge, Robi Shop, Robi Career, CRM, and HRMS, as well as the SIM registration process. Additionally, I learned about mobile financial services such as Tap (Trust Axiata Pay) and Fastcash (FSIBL)

## PUBLICATIONS

- 2023 **BEmoFusionNet: A Deep Learning Approach For Multimodal Emotion Classification in Bangla Social Media Posts**, 2023 26th International Conference on Computer and Information Technology (ICCIT) [🔗](#)  
Zaima Sartaj Taheri, Animesh Chandra Roy, Ahasan Kabir
- 2023 **Detecting Signs of Depression from Social Media Texts using Generalized Autoregressive Pretraining Transformer Model**, 26th International Conference on Computer and Information Technology (ICCIT) [🔗](#)  
Fahim Shakil Tamim, Zaima Sartaj Taheri, Mohammed Moshiul Hoque
- 2023 **BEmoLexBERT: A Hybrid Model for Multilabel Textual Emotion Classification in Bangla by Combining Transformers with Lexicon Features**, First Workshop on Bangla Language Processing at EMNLP 2023(EMNLP 2023 Workshop BLP) [🔗](#)  
Ahasan Kabir, Animesh Roy, Zaima Sartaj Taheri
- 2023 **Multi-label Sentiment Analysis of Product Reviews of Online Shop**, 2nd International Conference on Big Data, IoT and Machine Learning (BIM 2023) [🔗](#)  
Animesh Chandra Roy, Ahasan Kabir, Zaima Sartaj Taheri, Md Jahedul Alam Rifat
- 2024 **An Ensemble Approach of Transfer Learning and Vision Transformer to Identify COVID-19 from Chest X-rays**, 3rd International Conference on Advancement in Electrical and Electronic Engineering [🔗](#)  
Fahim Shakil Tamim, Zaima Sartaj Taheri, Sudipta Saha Niloy, Ashim Dey, Annesha Das
- 2024 **Sentiment Classification of Multi-modal Memes Using Deep Learning and Transformer Techniques**, IEEE Conference on Computing Applications and Systems (COMPAS 2024) [🔗](#)  
Tanzin Ahammad, Zaima Sartaj Taheri, Fahim Shakil Tamim
- 2025 **Enhanced Semantic Relatedness Prediction using XLM-RoBERTa and CNNs with K-Fold Cross-Validation**, The Journal of Engineering [🔗](#)  
Md Ayon Mia, Fahim Shakil Tamim, Zaima Sartaj Taheri, Md Alamin Talukder

## SKILLS

### Programming Language

HTML5, CSS3, Bootstrap4, JavaScript, React, jQuery, NodeJS, PHP, MySQL, MongoDB, MaterialUI, C, C+ +, Python (TensorFlow, Keras, Numpy, SciPy, Pandas, ScikitLearn, Matplotlib)

### Tools & Environments

Visual Studio, Cypress, Postman, Sublime Text, GitHub, Heroku, Netlify, Firebase, Google Colab, Anaconda, Overleaf (Latex)

## EXTRACURRICULAR ACTIVITIES

- 2024 – Present **Co-coordinator, UAP(University of Asia Pacific) Programming Contest Club**  
UAP, Dhaka, Bangladesh
- 2022 – 2023 **CUET Computer Club**  
CUET, Chittagong Vice President (Organizing)

2022 – 2023  
CUET, Chittagong

**Greater Comilla Students Forum, CUET**  
IT Secretary

2015  
Japan

**23rd World Scout Jamboree**  
Team Lead

## ACHIEVEMENTS

**2nd Runner Up in Multimodal Sentiment Analysis, CLBLP2023** [🔗](#)

**Team Name:** BLP Navigator

**2nd Runner Up in Sentiment Analysis of Code-Mixed Text, CLBLP2023** [🔗](#)

**Team Name:** BLP Navigator

**14th on Detecting Signs of Depression from Social Media Text, LT-EDI@RANLP 2023**

Shared task on Detecting Signs of Depression from Social Media Text at *THIRD WORKSHOP ON LANGUAGE TECHNOLOGY FOR EQUALITY, DIVERSITY, INCLUSION (LT-EDI-2023)@RANLP 2023*

## CERTIFICATES

**Complete Web Development**

**Course** [🔗](#)

Programming Hero

**Deep Learning Specialization**

[🔗](#)

Coursera

**Image Processing with Keras in**

**Python** [🔗](#)

DataCamp

**Natural Language Processing**

**Specialization** [🔗](#)

Coursera

**Image Processing in Python** [🔗](#)

DataCamp

**Biomedical Image Analysis in**

**Python** [🔗](#)

DataCamp

**Introduction to Deep Learning**

**in Python** [🔗](#)

DataCamp

**Advanced Deep Learning with**

**Keras** [🔗](#)

DataCamp

## LANGUAGES

**English**

IELTS 7.5(R:8.5, L:8.5, S:7, W:6.5)

**Bangla**

## REFERENCES

**Animesh Chandra Roy**, Assistant Professor, Department of Computer Science and Engineering

Chittagong University of Engineering and Technology-4349, Chittagong, Bangladesh

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**Ashim Dey**, Assistant Professor, Department of Computer Science and Engineering

Chittagong University of Engineering and Technology-4349, Chittagong, Bangladesh

ashim@cuet.ac.bd, +880 1738-638164