

BLP 2025

**The Second Workshop on Bangla Language Processing
(BLP-2025)**

Proceedings of the Workshop

December 23, 2025

The BLP organizers gratefully acknowledge the support from the following sponsors.

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Preface

Welcome to the Second Workshop on Bangla Language Processing (BLP 2025), collocated with IJCNLP-AACL 2025 and hosted in Mumbai, India.

In this edition, the program is rich and varied, featuring a keynote talk, four paper presentation sessions, and one poster session.

For the regular workshop track, we received 55 submissions. Each paper was rigorously peer-reviewed by two to three expert reviewers in the field. From these submissions, 32 papers were accepted, 20 of which were selected for oral presentation. We note that this distinction reflects scheduling and thematic considerations rather than any difference in quality between oral and poster presentations.

The workshop also featured two shared tasks: (1) Task 1: Hate Speech Detection, and (2) Task 2: Code Generation. Both tasks were well received, with robust participation. For Task 1, we had 161, 103, and 90 team registrations for Subtasks 1A, 1B, and 1C, respectively, culminating in 20 system description papers. For Task 2, we had registrations from 71 teams, culminating in 16 system description papers.

Each system description paper for the shared tasks was peer-reviewed by at least two expert reviewers. The proceedings include these system papers along with two comprehensive overview papers, which will be presented in an oral session at the workshop.

We were fortunate to secure sponsorship funding for the workshop, which has been instrumental in subsidizing registrations for students and aspiring young researchers.

Finally, we would like to thank all contributing authors and the 91 members of the Program Committee for their dedication and for providing high-quality reviews in a timely manner.

Firoj Alam, Md Tahmid Rahman Laskar, Sudipta Kar, and Shammur Absar Chowdhury
On behalf of the BLP Workshop Organizing Committee
Workshop website: <https://blp-workshop.github.io/>

Organizing Committee

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Keynote Talk

Data'r Panchali: The Changing Landscape of Bangla NLP

Monojit Choudhury

2025-12-23 09:10:00 - 09:50:00 -

Abstract: Over the past three decades, Natural Language Processing technologies in Bangla have made remarkable progress. The advent of generative AI has accelerated this journey, leading to impressive breakthroughs across multiple domains. Yet, two profound questions persist. First, what tangible benefits do these advances bring to Bangla speakers? Who stands to gain and who remains excluded? Second, has the technological gap between English (and other high-resource languages) and Bangla truly narrowed, or has it quietly widened?

Ultimately, both the triumphs and the shortcomings of Bangla NLP trace back to one fundamental factor: the availability and absence of data. In this talk, I will explore these questions through both empirical analysis and personal reflection, examining how data shapes access, equity, and innovation. I will conclude with a discussion of some intriguing possibilities: how generative AI might illuminate deeper questions about culture, linguistic diversity, and the evolving identity of Bangla itself.

Bio: Monojit Choudhury is a Professor of Natural Language Processing at the Mohamed bin Zayed University of Artificial Intelligence (MBZUAI) in Abu Dhabi. His research sits at the intersection of language technology and society, with a particular focus on how foundation models learn and (mis)represent linguistic and cultural diversity, and how to design fair, inclusive language technologies for low-resource and marginalized languages. Prior to joining MBZUAI, he was a principal researcher at Microsoft Research India from 2009 to 2022 and a principal applied scientist at Microsoft Turing (part of Microsoft India Development Center) from 2022 to 2023. He also serves as adjunct faculty at the International Institute of Information Technology, Hyderabad (since 2017). Professor Choudhury is the general chair of the Panini Linguistics Olympiad (India's national linguistics Olympiad) and founding co-chair of the Asia Pacific Linguistics Olympiad. He is deeply committed to popularizing linguistics and natural language processing among schoolchildren and non-experts, often through carefully designed puzzles and problem-solving activities.

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Program

Tuesday, December 23, 2025

09:00 - 09:10 *Opening Remarks*

09:10 - 09:50 *Invited Talk: Data'r Panchali: The Changing Landscape of Bangla NLP*

09:50 - 10:26 *Oral Presentation I (long papers)*

Overview of BLP-2025 Task 1: Bangla Hate Speech Identification

Md Arid Hasan, Firoj Alam, Md Fahad Hossain, Usman Naseem and Syed Ish-tiaque Ahmed

Overview of BLP-2025 Task 2: Code Generation in Bangla

Nishat Raihan, Mohammad Anas Jawad, Md Mezbaur Rahman, Noshin Ulfat, Pranav Gupta, Mehrab Mustafy Rahman, Santu Karmaker and Marcos Zampieri

BanHateME : Understanding Hate in Bangla Memes thorough Detection, Cate-gorization, and Target Profiling

Md Ayon Mia and Md Fahim

10:30 - 11:00 *Coffee Break*

11:00 - 12:00 *Poster Session*

12:00 - 13:00 *Lunch Break*

13:00 - 14:00 *Oral Presentation II (long papers)*

LP-FT-LoRA: A Three-Stage PEFT Framework for Efficient Domain Adaptation in Bangla NLP Tasks

Tasnimul Hossain Tomal, Anam Borhan Uddin, Intesar Tahmid, Mir Sazzat Hos-sain, Md Fahim and Md Farhad Alam Bhuiyan

Human-LLM Benchmarks for Bangla Dialect Translation: Sylheti and Chittago-nian on the BanglaCHQ-Summ Corpus

Nowshin Mahjabin, Ahmed Shafin Ruhan, Mehreen Chowdhury, Md Fahim and MD Azam Hossain

LLMs for Low-Resource Dialect Translation Using Context-Aware Prompting: A Case Study on Sylheti

Tabia Tanzin Prama

Tuesday, December 23, 2025 (continued)

GRASP-ChoQ: Knowledge Graph-Based Retrieval Augmentation for Stance Detection in Political Texts with Chain-of-Questions Reasoning

Rasel Mahmud, Md. Abdur Rakib Mollah, Aninda Kumar Sharma and Omar Faruq Osama

ChakmaBridge: A Five-Way Parallel Corpus for Navigating the Script Divide in an Endangered Language

Md. Abdur Rahman, Md. Tofael Ahmed Bhuiyan and Abdul Kadar Muhammad Masum

14:00 - 14:10 *Break*

14:10 - 15:34 *Oral Presentation III (long papers)*

Form-aware Poetic Generation for Bangla

Amina, Abdullah, Mueeze Al Mushabbir and Sabbir Ahmed

Byte Pair Encoding Is All You Need For Automatic Bengali Speech Recognition

Ahnaaf Mozib Samin

Zero-Shot Multi-Label Classification of Bangla Documents: Large Decoders Vs. Classic Encoders

Souvika Sarkar, Md Najib Hasan and Santu Karmaker

P6Jiggasha: Benchmarking Large Language Models on Bangla Physics Question Answering with Cross-lingual Evaluation

S.m. Shahriar, Md Tahmid Hasan Fuad, Md Fahim and Md. Azad Hossain

Exploring Cross-Lingual Knowledge Transfer via Transliteration-Based MLM Fine-Tuning for Critically Low-resource Chakma Language

Adity Khisa, Nusrat Jahan Lia, Tasnim Mahfuz Nafis, Zarif Masud, Tanzir Pial, Shebuti Rayana and Ahmedul Kabir

A Hybrid Transformer-Sequential Model for Depression Detection in Bangla-English Code-Mixed Text

Md Siddikul Imam Kawser, Jidan Al Abrar, Mehebub Bin Kabir, Md. Rayhan Chowdhury and Md Ataullah Bahari

BOIGENRE: A Large-Scale Bangla Dataset for Genre Classification from Book Summaries

Rafi Hassan Chowdhury and Rahanuma Ryaan Ferdous

15:35 - 16:00 *Coffee Break*

Tuesday, December 23, 2025 (continued)

16:00 - 16:48 *Oral Presentation IV (long papers)*

BLUCK: A Benchmark Dataset for Bengali Linguistic Understanding and Cultural Knowledge

Daeen Kabir, Minhajur Rahman Chowdhury Mahim, Sheikh Shafayat, Adnan Sadik, Arian Ahmed, Eunsu Kim and Alice Oh

Advancing Subjectivity Detection in Bengali News Articles Using Transformer Models with POS-Aware Features

Md Minhazul Kabir, Kawsar Ahmed, Mohammad Ashfak Habib and Mohammed Moshiul Hoque

Robustness of LLMs to Transliteration Perturbations in Bangla

Fabiha Haider, Md Farhan Ishmam, Fariha Tanjim Shifat, Md Tasmim Rahman Adib, Md Fahim and Md Farhad Alam Bhuiyan

Clustering LLM-based Word Embeddings to Determine Topics from Bangla Articles

Rifat Rahman

17:00 - 17:30 *Awards and Ending Remarks*