

Md Farhan Ishmam

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RESEARCH INTERESTS

Web Agents, Vision-Language (Adapters, Robustness, and Modality Alignment), LLM Alignment.

EDUCATION

- **University of Utah** Salt Lake City, UT, USA
 - *PhD in Computing* *Aug 2025 - Present*
 - **Research:** Vision Language Web Agents
 - **Advisor:** [Prof. Kenneth Marino](#)
 - **Islamic University of Technology (IUT)** Dhaka, Bangladesh
 - *Bachelor of Science in Computer Science and Engineering; GPA: 3.96/4.00* *Jan 2019 - May 2023*
 - **Thesis:** Visual Robustness Analysis of VQA and Caption Ranking in Zero-Shot VQA

RESEARCH

C:CONFERENCE, J:JOURNAL, W:WORKSHOP, S:SUBMISSION

- S3 TimeWarp: Evaluating Web Agents by Revising the Past
MF Ishmam, K Marino [[Project Page](#)] [[Paper](#)] [[Code](#)] [[Dataset](#)]
- S2 FrugalPrompt: Minimizing Contextual Overhead of LLMs
SR Raiyan*, **MF Ishmam***, AA Imran, MA Moni [[Project Page](#)] [[Paper](#)] [[Code](#)]
- S1 QualCoder: A Quality-Driven Multi-Agent Framework for Automated Code Generation
SS Apurbo, ZZ Arpa, NKK Oishee, **MF Ishmam**, ARM Kamal, MA Hossain [[Paper](#)]
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- C8 Computer Use Survey - A Visual Survey of Computer Use Agents
K Marino, **MF Ishmam**, A Marasovic
ICLR Blogpost Track 2026 [[Blog](#)]
- C7 R-MMA: Vision-Language Models with Recurrent Adapters for Few-Shot and Cross-Domain Generalization
M Fahim*, **MF Ishmam***, MS Hossain, MA Amin, AA Ali, AKMM Rahman
WACV 2026 [[Paper](#)] [[Suppl. Material](#)]
- C6 Enhancing Vision Language Corruption Robustness using Cross Distribution & Prompted Denoisers
SS Latif*, S Shiper*, KMR Kiran*, **MF Ishmam***, MA Hossain, ARM Kamal, MH Ashmafee
WACV 2026 [[Paper](#)] [[Suppl. Material](#)] [[Code](#)]
- C5 BanglaProtha: Evaluating Vision Language Models in Underrepresented Long-tail Cultural Contexts
M Fahim*, M Sourove*, AM Mazumder*, **MF Ishmam***, MTR Adib, FT Shifat, F Haider, M Bhuiyan
WACV 2026 [[Paper](#)] [[Suppl. Material](#)] [[Code](#)] [[Dataset](#)]
- C4 Visual Robustness Benchmark for Visual Question Answering (VQA)
MF Ishmam*, I Tashdeed*, TA Saadat*, MH Ashmafee, ARM Kamal, MA Hossain
WACV 2025 [[Paper](#)] [[Suppl. Material](#)] [[Code](#)]
- C3 CHITROJERA: A Regionally Relevant Visual Question Answering Dataset for Bangla
DD Barua*, M Sourove*, M Fahim*, F Haider, FT Shifat, M Adib, AB Uddin, **MF Ishmam**, FA Bhuiyan
ECML PKDD 2025 [[Paper](#)] [[Code](#)] [[Dataset](#)]
- C2 BANTH: A Multi-label Hate Speech Detection Dataset for Transliterated Bangla
F Haider*, FT Shifat*, **MF Ishmam***, DD Barua, MSUR Sourove, M Fahim, FA Bhuiyan
NAACL Findings 2025 [[Paper](#)] [[Code](#)] [[Dataset](#)]
- C1 BANGLATLIT: A Benchmark Dataset for Back-Transliteration of Romanized Bangla
M Fahim*, FT Shifat*, F Haider*, DD Barua, MSUR Sourove, **MF Ishmam**, FA Bhuiyan
EMNLP Findings 2024 [[Paper](#)] [[Code](#)] [[Dataset](#)]
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J1 From Image to Language: A Critical Analysis of Visual Question Answering (VQA) Approaches, Challenges, and Opportunities

MF Ishmam, MS Shovon, MF Mridha, N Dey

Information Fusion 2024 [Paper] [Preprint]

W7 Robustness of LLMs to Transliteration Perturbations in Bangla

F Haider*, **MF Ishmam***, FT Shifat, MTR Adib, Md Fahim, MFA Bhuiyan

Best Paper at *Bangla Language Processing (BLP) Workshop at IJCNLP-AAACL 2025* [Paper] [Code]

W6 BanHate: An Up-to-Date and Fine-Grained Bangla Hate Speech Dataset

FH Raquib*, AMR Mazumder*, MTH Fuad, **MF Ishmam**, Md Fahim

Bangla Language Processing (BLP) Workshop at IJCNLP-AAACL 2025 [Paper]

W5 Prompting with Sign Parameters for Low-resource Sign Language Instruction Generation

M Tariquzzaman, **MF Ishmam**, SS Muna, MK Hasan, H Mahmud

Vision Foundation Models and Gen AI for Accessibility (CV4A11y) at ICCV 2025 [Paper] [Code] [Dataset]

W4 BNSENTMIX: A Diverse Bengali-English Code-Mixed Dataset for Sentiment Analysis

S Alam, **MF Ishmam**, NH Alvee, MS Siddique, MA Hossain, ARM Kamal

Language Models for Low-Resource Languages (LoResLM) at COLING 2025 [Paper] [Code] [Dataset]

W3 FourierKAN outperforms MLP on Text Classification Head Fine-tuning

AA Imran* and **MF Ishmam***

Fine-Tuning in Modern Machine Learning (FITML) at NeurIPS 2024 [Paper] [Code]

W2 Penta NLP at EXIST: Sexism Identification, Source Intention, Sexism Categorization In Tweets

FT Shifat*, F Haider*, MSUR Sourove, DD Barua, **MF Ishmam**, M Fahim, FA Bhuiyan

sEXism Identification in Social neTworks (EXIST) at CLEF 2024 [Paper] [Code]

W1 Penta ML at EXIST: Tagging Sexism in Online Multimodal Content With Attention-enhanced Modal Context

DD Barua*, MSUR Sourove*, F Haider, FT Shifat, **MF Ishmam**, M Fahim, FA Bhuiyan

sEXism Identification in Social neTworks (EXIST) at CLEF 2024 [Paper] [Code]

TEACHING EXPERIENCE

- **Islamic University of Technology** Dhaka, Bangladesh
Lecturer, Department of Computer Science and Engineering Aug 2023 - July 2025

INDUSTRY & RESEARCH EXPERIENCE

- **University of Utah, SPARK Lab** Salt Lake City, UT, USA
Graduate Research Assistant on Vision-Language Web Agents Aug 2025 - Present
- **Yaana Technologies, AI R&D** Milpitas, CA, USA (Remote)
Research Intern on Multi-agent Telecom LLM Sep 2023 - July 2025
- **Penta Global Limited, AI Research** Dhaka, Bangladesh
AI Researcher on Bengali Vision-Language & Transliteration Systems May 2023 and Aug 2023
- **HawarIT Limited, R&D** Dhaka, Bangladesh (Hybrid)
Research Intern on Depth Estimation using Stereo Vision Oct 2021 and Dec 2021

AWARDS & ACHIEVEMENTS

- Finalists (Top-7) at Robi Datathon 3.0, Bangladesh's largest data science event with 3,500+ participants.
- IUT Research Seed Grant (IUT RSG) (Ref: REASP/IUT-RSG/2022/OL/07/012) - 5000\$ grant that covers research resources, conference registration fees, and travel expenses.