

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 (Ranked: 4th/96) 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

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 (To Appear) [\[Paper\]](#) [\[Code\]](#)

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 (To Appear) [\[Paper\]](#) [\[Code\]](#)

C5 BanglaProtha: Evaluating Vision Language Models in Underrepresented Long-tail Cultural Contexts

M Fahim*, M Sourovoe*, AM Mazumder*, **MF Ishmam***, MTR Adib, FT Shifat, F Haider, M Bhuiyan

WACV 2026 (To Appear) [\[Paper\]](#) [\[Code\]](#)

C4 CHITROJERA: A Regionally Relevant Visual Question Answering Dataset for Bangla

DD Barua*, M Sourovoe*, M Fahim*, F Haider, FT Shifat, M Adib, AB Uddin, **MF Ishmam**, FA Bhuiyan
ECML PKDD 2025 [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)

C3 BANTH: A Multi-label Hate Speech Detection Dataset for Transliterated Bangla

F Haider*, FT Shifat*, **MF Ishmam***, DD Barua, MSUR Sourovoe, M Fahim, FA Bhuiyan
NAACL Findings 2025 [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)

C2 Visual Robustness Benchmark for Visual Question Answering (VQA)

MF Ishmam*, I Tashdeed*, TA Saadat*, MH Ashmafee, ARM Kamal, MA Hossain
WACV 2025 [\[Paper\]](#) [\[Suppl.\]](#) [\[Code\]](#)

C1 BANGLATLIT: A Benchmark Dataset for Back-Transliteration of Romanized Bangla

M Fahim*, FT Shifat*, F Haider*, DD Barua, MSUR Sourovoe, **MF Ishmam**, FA Bhuiyan
EMNLP Findings 2024 [\[Paper\]](#) [\[Code\]](#) [\[Dataset\]](#)

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 [\[Paper\]](#) [\[Preprint\]](#)

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 Sourovo, 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 Sourovo, F Haider, FT Shifat, **MF Ishmam**, M Fahim, FA Bhuiyan
SEXism Identification in Social neTworks (EXIST) at CLEF 2024 [Paper] [Code]

S2 FrugalPrompt: Minimizing Contextual Overhead of LLMs

SR Raiyan, **MF Ishmam**, AA Imran, MA Moni [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]

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.