

SUBHEY SADI RAHMAN

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Interests

• Computer Vision • Natural Language Processing • Machine Translation • Medical Imaging and Healthcare AI

Education

Bachelor of Science in Computer Science and Engineering

United International University

June 2021 - July 2025

CGPA: 3.8/4 (Magna Cum Laude)

Certifications & Languages

IELTS Academic (British Council)

TRF Number: 25BD518983RAHS001A

Feb 2026

Overall Band: 8.0 (CEFR C1) (L: 8.0, R: 9.0, W: 7.0, S: 7.0)

Experience

Graduate Researcher

Applied Artificial Intelligence & Intelligent Systems Laboratory

January 2024 – Present

Charles Darwin University, Australia

- Conducted research on medical imaging datasets to explore applications of deep learning in diagnostic tasks.
- Preprocessed and annotated medical images (e.g., ultrasound, MRI) to build high-quality training datasets.

Research Assistant

Institute for Advanced Research (IAR)

May 2025 – Present

United International University, Dhaka

- Investigated pulmonary and cardiovascular disease pathologies through advanced Computer Vision techniques.

Undergraduate Teaching Assistant

United International University

February 2024 – July 2025

Dhaka

- Developed and curated instructional materials, including study guides and exam papers.
- Conducted thorough evaluation of assignments and examinations.
- Provided academic counseling and mentorship to students.

Grader

United International University

September 2023 – January 2024

Dhaka

- Evaluated and graded student assignments and class tests to assess academic performance.
- Collaborated with faculty to compile and prepare grade sheets for accurate record-keeping.

Research Works

Ready to Translate, Not to Represent? Bias and Performance Gaps in Multilingual LLMs Across Language Families and Domains

Link

*Findings of the Association for Computational Linguistics: ACL 2026, Conference Rank: **A****

2026

- Evaluated translation quality and fairness for 14 leading LLMs across 24 language pairs via a unified benchmark.

From language to action: a review of large language models as autonomous agents and tool users

Link

*Artificial Intelligence Review (Springer), Rank: **Q1**, Impact Factor: **13.9***

2026

- Comprehensive analysis of LLMs as decision-making agents across A* conferences and Q1 journals.

Hallucination to truth: a review of fact-checking and factuality evaluation in large language models

Link

*Artificial Intelligence Review (Springer), Rank: **Q1**, Impact Factor: **13.9***

2026

- Systematic review of evaluation metrics and mitigation techniques for LLM-based fact-checking systems.

Quantitative Measurement of Parkinson Disease Progression Using DaTscan Radiomics and Clinical Features With a Machine Learning-Based Approach

Link

*International Journal of Intelligent Systems (Wiley), Rank: **Q1**, Impact Factor: **3.7***

2026

- Built a radiomics-clinical dataset and applied feature selection to model PD progression.

DPMT-Net: a dual-prompt attention multi-task 3D network for joint nodule segmentation and malignancy prediction in lung CT scans

Link

*Complex & Intelligent Systems (Springer), Rank: **Q1**, Impact Factor: **4.6***

2026

- Built a radiomics-clinical dataset and applied feature selection to model PD progression.

Meaning Over Morphology: A Multi-Metric Benchmark of LLMs for Bangla Dialect Translation

Link

*DialRes Workshop, Language Resources and Evaluation Conference: LREC 2026, Conference Rank: **B***

2026

- Benchmarked 8 LLMs across 15 Bangla dialects using lexical and semantic metrics for low-resource translation.

Technical Skills

Programming & Scripting: Python, Java, JavaScript, C/C++, PHP

Data Annotation & Labeling Tools: Roboflow, 3D Slicer (Slicer3D)

Computer Vision & ML Libraries: OpenCV, PyTorch, Scikit-learn, Hugging Face

Data Handling & Visualization: Jupyter Notebook, Pandas, NumPy

Databases: MySQL, MongoDB

Development Tools: Docker, Git, Unix/Linux, Visual Studio, JetBrains Suite (IntelliJ IDEA, PyCharm, WebStorm, DataGrip), Figma