

SAKIB IMTIAZ



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Professional Summary

I am a Computer Science and Engineering graduate with a strong background in data analytics, machine learning, deep learning, and large language models. Currently, I am working as a Lecturer in Ahsania Mission University of Science & Technology, Rajshahi, Bangladesh in the Department of Computer Science and Engineering. Prior to this, I gained valuable experience as a member of a research team, where I developed a reputation for accuracy and adaptability. My work has focused on exploring the complexities of large language models and their applications in various domains, thereby significantly advancing natural language processing.

Research Interest

Computer Vision, Bioinformatics, Natural Language Processing, Large Language Models, Deep Learning, Artificial Intelligence.

Education

2019 – 2024	Bachelor of Science Computer Science & Engineering Rajshahi University of Engineering & Technology (RUET), Bangladesh CGPA: 3.55 on a scale of 4.00 (160 credit) (U.S Equivalence Grade Average: 3.73) (ECE) Position: Ranked in the first quartile among 180 students
2016 – 2018	Higher Secondary Certificate Rajshahi University School And College Rajshahi Board, Bangladesh GPA: 5.00 on a scale of 5.00
2015 – 2016	Secondary School Certificate Rajshahi University School And College Rajshahi Board, Bangladesh GPA: 5.00 on a scale of 5.00

Awards

2024	Research Excellence Award Rajshahi University of Engineering & Technology (RUET)
2019-2022	Bangladesh Technical Education Board Scholarship Rajshahi University of Engineering & Technology (RUET)
2014	Rajshahi Education Board General Scholarship of JSC 2014 Board of Intermediate and Secondary Education Rajshahi, Government of the People's Republic of Bangladesh.

Publications

- 1) **Analyzing the Performance of Sentiment Analysis using BERT, DistilBERT, RoBERTa and GPT-2** (accepted) (STI-2024, Bangladesh) *Sakib Imtiaz, and Emrana Kabir Hashi.*
- 2) **Revolutionizing Alzheimer's: A CNN Model for Early Detection and Accurate Prediction** (accepted) (ECCE-2025)
Sakib Imtiaz, Md. Fatin Nibbrash Nakib, Md. Musfiqur Rahman Mridha, Md. Taufiq Khan, Md. Ashikuzzaman Ashik, Zahara Tasnim
- 3) **A Comparative Analysis of Spam Email Classification Using Machine Learning, Deep Learning, and Large Language Models** (under peer review) (NCIM-2025)
Sakib Imtiaz, Emrana Kabir Hashi.
- 4) **A Comparative Analysis of Multiclass Text Classification Using Machine Learning, Deep Learning, and Large Language Models** (under peer review) (NCIM-2025)
Sakib Imtiaz, Emrana Kabir Hashi.
- 5) **Scalable Knowledge Graph Construction from Unstructured Text: A Case Study on Artisanal and Small-Scale Gold Mining** (accepted) (PAKDD-2025)
Debashis Gupta, Aditi Golder, Sakib Imtiaz, Greg Larsen, Miles Silman, Luis Fernandez, Sarra Alqahtani, Fan Yang, Robert Plemmons, and V. Paul Pauca.
- 6) **From Fresh to Foul: Deep Learning's Discerning Eye on Fruit Decay** (accepted) (ECCE-2025)
Md. Ashikuzzaman Ashik, Sakib Imtiaz, Md. Musfiqur Rahman Mridha, Md. Shahid Ahammed Shakil, Md. Fatin Nibbrash Nakib, Md. Taufiq Khan, Md. Sabbir Ahammed*
- 7) **Automated Weed Detection in Agriculture Using Deep Learning Approaches: A Comparison of CNN Architectures** (accepted) (ECCE-2025)
Zakirul Islam, Sakib Imtiaz, Md. Musfiqur Rahman Mridha, Md. Shahid Ahammed Shakil, Md. Fatin Nibbrash Nakib, Md. Taufiq Khan, Md. Arafat Ibna Mizan*
- 8) **MRI-Based Identification of Brain Tumors Using Deep Convolutional Neural Networks: A Case Study on Inception V3** (accepted) (ECCE-2025)
Puja Shaha, Sakib Imtiaz, Md. Musfiqur Rahman Mridha, Md. Arafat Ibna Mizan, Md. Shahid Ahammed Shakil, Md. Jamil Chaudhary, Md. Taufiq Khan*
- 9) **Bone Fracture Classification in X-ray Images: A Deep Learning Approach Leveraging Transfer Learning** (accepted) (ECCE-2025)
Md. Sabbir Ahammed, Md. Musfiqur Rahman Mridha, Md. Taufiq Khan, Md. Jamil Chaudhary, Md. Fatin Nibbrash Nakib, Sakib Imtiaz, Md. Ashikuzzaman Ashik

**Corresponding Author*

Research Projects

- 1) Conversational Agent for Therapy Assistance
- 2) A Robust Deep Learning Model to Detect Epilepsy Utilizing EEG Signals
- 3) MushroomSafe: A CNN-Powered Vision System for Edible Mushroom Identification
- 4) Analyzing the Performance of Sentiment Analysis: A Comparison Among Machine Learning, Deep Learning, and Modern Large Language Models
- 5) Optimizing Dataset Creation Using Large Language Models and Intelligent Agents

Job Experience

Lecturer

Department of Computer Science and Engineering
Varendra University, Rajshahi, Bangladesh
August 18, 2024 – February 23, 2025

Lecturer

Department of Computer Science and Engineering
Ahsania Mission University of Science & Technology, Rajshahi, Bangladesh
February 23, 2025 – Present

Extra-Curricular Activities

Leadership, Self-Motivation, Teamwork, Community Service, Sports, Arts & Crafts, Culture, Academic Pursuits, Technology, Innovation, Social interaction, Personal Skill Development

Technical Skills

Programming Languages	Python, Java, C, C++, HTML/CSS, MySQL, R
Database Design	Oracle, Cassandra, MongoDB
Technologies	Git, Tensorflow, PyTorch, NLP related tools and models (NLTK, Spacy)
Operating System	Windows, Linux

Personal Information

Name : Sakib Imtiaz
Gender : Male
Date of Birth : 17th October, 2001
Father's Name : Prof. Dr. Md. Abdus Salam
Mother's Name : Prof. Dr. Irine Banu Lucy
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References

1) Dr. Md. Shahid Uz Zaman

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2) Emrana Kabir Hashi

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