ABU TAREQ RONY

R⁶ ResearchGate/AbuTareqRony ℊ Google Scholar/AbuTareqRony in Linkedin.com/AbuTareqRony

 Github/Abu Tareq Rony ✎ Medium.com/Abu Tareq Rony 🏆 Fiverr.com/AbuTareqRony

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ABOUT ME

Abu Tareq Rony is a diligent individual who is self-taught in Natural Language Processing, Large Language Models, Statistics, Machine Learning, and Deep Learning. He has 3.5 years of research experience and published articles in refereed journals and conference proceedings such as **IEEE, Elsevier, Springer, and various international conferences**. He achieved a **TGPA of 3.99** and secured the **second merit** position in his **final semester**, with an **overall CGPA of 3.56 out of 4.0.** Moreover, He has served as a **Reviewer** for Elsevier, Springer, IEEE Access, and Wiley, and has reviewed more than 20 research papers. He is dedicated to pursuing an academic career in LLM, AI, NLP, Statistics, and Deep Learning.

💼 PROFESSIONAL EXPERIENCES

Jan 2024 — Present **Data Science Instructor** **aiQuest Intelligence**

- Responsible for working as an Instructor and taking Live sessions on Research Methodology, and Courses on Statistics for Data Science.

Dec 2020 — Present **Data Scientist** **Fiverr Link**

- **Level 2 seller** on Fiverr, I am a Data Scientist and Business Analyst offering services for more than three years and have completed 250+ projects on Fiverr. I provide high-quality service for Statistics, Machine Learning, Natural Language Processing, LLMs, Deep Learning, and much more.

Dec 2021 — Present **Data Science Blog Writter** **Medium Link**

- Write articles on NLP, LLMs, Statistics, Machine learning, and Data Science.

🎓 EDUCATION BACKGROUND

Dec 2018 — Dec 2023 **Bachelor of Science(BSc), Department of Statistics** CGPA: 3.56(4)

- Noakhali Science and Technology University(NSTU), Bangladesh.

Jan 2014 — June 2016 **Higher Secondary School Certificate, Chittagong Board** GPA: 4.58(5)

- Omar Gani M.E.S College, Bangladesh.

Jan 2013 — Dec 2014 **Secondary School Certificate, Chittagong Board** GPA: 5.00(5)

- Kattali N.H.C High School, Bangladesh.

📖 SELECTED PUBLICATIONS [80 Citations]

2024 **MediGPT: Exploring Potentials of Conventional and Large Language Models on Medical Data— Link**

- **IEEE Access, Q1**

2024 **Elevating Driver Behavior Understanding With RKnD: A Novel Probabilistic Feature Engineering Approach— Link**

- **IEEE Access, Q1**

2023	**BNVGLENET: Hypercomplex Bangla handwriting character recognition with hierarchical class expansion using Convolutional Neural Networks**— Link

- Natural Language Processing Journal, **Elsevier**

2024	**Evaluating Large Language Models for Summarizing Bangla Texts**— Link(Accepted)

- **EMNLP Workshop 2024, USA**

2024	**BanVATLLM and BanTSS: A Multimodal Framework and a Dataset for Detecting Toxic Speech in Bangla and Bangla-English Videos**— Link(Accepted)

- **EMNLP Workshop 2024, USA**

2024	**A Novel Deep Learning Approach for Accurate Cancer Type and Subtype Identification**— Link

- **IEEE Access, Q1**

2023	**Machine Learning-Based Rainfall Prediction: Unveiling Insights and Forecasting for Improved Preparedness**— Link

- **IEEE Access, Q1**

2023	**CBD2023: A Hypercomplex Bangla Handwriting Character Recognition Data for Hierarchical Class Expansion**— Link

- Data in Brief, **Q2, Elsevier**

2024	**A Novel Deep Learning Approach for Forecasting Myocardial Infarction Occurrences with Time Series Patient Data** — Link

- Journal of Medical Systems, Q1, **Springer**

2024	**Beyond Words: Unraveling Text Complexity with Novel Dataset and A Classifier Application**— Link

- ICCIT-24, **IEEE**

2024	**The Multi-Class Paradigm: How Transformers are Reshaping Language Analysis in NLP**— Link

- Lecture Notes in Computer Science, TEHI-23, **Springer**

2023	**An Innovative Novel Transformer Model and Datasets for Safeguarding Religious Sensitivities in Online Social Platforms**— Link

- Procedia Computer Science, **Elsevier**

2024	**GastroVRG: Enhancing Early Screening in Gastrointestinal Health via Advanced Transfer Features**— Link

- Intelligent Systems with Applications, **Q1, Elsevier**

📑 SUBMITTED PAPERS

2024	**Empowering Low-Resource Languages: TraSe Architecture for Enhanced Retrieval-Augmented Generation in Bangla**— Link

- **EMNLP Workshop 2024, USA**

2024	**Bangla ViTa: A Novel Multimodal Fusion Approach to Bangla Troll Memes Identification**— Link

- **IEEE Access, Q1**

2024	**BdSentiLLM: A Novel LLM Approach to Sentiment Analysis of Product Reviews in Bangladeshi Contexts**— Link

- **IEEE Access, Q1**

2024	**SumGPT: An Improved Multimodal Radiology Report Summarization to Optimize Clinical Efficiency**— Link

- **IEEE Access, Q1**

2024	**Improving Abstract Screening Efficiency with Transformer-Based Models and Zero-Shot Learning**— Link

- **EMNLP Workshop 2024, USA**

2024	**DMLRS: A Novel AI-Based Identification of Autism Spectrum Disorder with Explainable Features and Smart Web Application**— Link

- **IEEE Access, Q1**

✿ SKILLSETS AND PROFICIENCIES

Code Languages	Python, R, C Programming(Basic), Latex	**IDE**	Jupyter, Google Colab, RStudio, Pycharm, VS code
Data Analysis	Excel, SPSS, STATA, EViews	**Graphic Design**	Figma, Adobe Photoshop, Canva
Data Mining	Weka	**Learning**	Large Language Model, RAG, Computer Vision, Audio Processing, Streamlight, Multimodel, etc.
Data Visualization	PowerBI, Tableau, Matplotlib, Seaborn, ggplot2, Google Data Studio		
Machine Learning	Scikit-learn, TensorFlow, Pytorch	**Soft Skills**	Project Management, Writing, Public Speaking

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⚜ ACHIEVEMENTS

Mar 2023	**Paper Reviewer**

- Pattern Recognition, **Elsevier**
- Artificial Intelligence In Medicine, **Elsevier**
- Expert Systems with Applications, **Elsevier**
- IEEE Access, etc.

April 2022	**Scholarship**

- The scholarship is awarded based on my final semester results and academic activities at **NSTU.**

April 2022	**Best Research Paper Award**

- Received the Best Research Paper Award at **ICETET- SIP 22.**

⚙ EXTRACURRICULAR ACTIVITIES

Jan 2021 — Jun 2021	**NSTU Statistics Assosiation**	Executive Member
Mar 2020 — Dec 2020	**IT Club, NSTU**	General Secretary

⚜ REFERENCES

Md. Rasel Hossain

Assistant Professor, Department of Statistics (NSTU)
Email: **rasel.stat@nstu.edu.bd**

✇ DECLARATION

I hereby declare that all information provided above is correct, complete, and true to the best of my knowledge

Abu Tareq Rony
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