SOURAV KUMAR DAS

sourav15-4588@diu.edu.bd | +880-1833512030 | Mirpur, 1216 Dhaka

WEBSITES, PROFILES

- Google Scholar: [Sourav Kumar Das]
- GitHub: [Sourav15-4588]

PROFESSIONAL SUMMARY

Hardworking and passionate job seeker with strong organizational skills eager to make a fresh start. Ready to help the team achieve company goals.

TECHNICAL SKILLS

- Programming Languages: Python, C/C++, JAVA, Dart.
- LaTeX, Anaconda, Jupyter Notebook, Microsoft Office, Linux. Power BI
- ML Frameworks: Keras, PyTorch, NumPy, Pandas, Matplotlib, Scikit-learn.
- Data Analysis, Problem Solving.

EXPERIENCE

Aug 2023 - Jul 2024
Research Executive
DIU NLP and Machine Learning Lab - Dhaka

- Collaborated on research projects involving Natural Language Processing and Machine Learning.
- Focusing on data preprocessing, model training, and evaluation.

Oct 2020 - 2021
Campus Ambassador
Evolution of Youth - Remote

- Promoting events aimed at youth talent discovery
- Developed strong interpersonal and communication skills

LANGUAGE PROFICIENCY

Bengali (Native) and English

EDUCATION

Sep 2021 – Aug 2025
B.Sc.: Computer Science and Engineering (CSE)
Daffodil International University | Dhaka, Bangladesh
GPA: 3.66 out of 4.00

ONGOING PROJECTS

Enhancing the Accuracy of Open-Domain Question Answering Using Transformer-Based Large Language Models.
- LangChain, FAISS implementation

NER system for added sugar detection from packaged food through ML.
- Easy OCR, SpaCy NER for extracting text and name entity recognition

PUBLICATIONS

Journal Articles:
- Explainable Detection: A Transformer-Based Language Modeling Approach for Bengali News Title Classification with Comparative Explainability Analysis Using ML & DL Md. [Paper]

International Conferences:
- S. K. Das, M. J. Naeen, M. J. Islam, M. A. H. Sajeeb, N. R. Chakraborty and M. U. Mojumdar, "Improving Bangla Linguistics: Advanced LSTM, Bi-LSTM, and Seq2Seq Models for Translating Sylheti to Modern Bangla," 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 2024, pp. 1-7, doi: 10.1109/ICCCNT61001.2024.10723886. [Paper]
- Advancing Cauliflower Leaf Freshness and Disease Classification Using Deep Learning Models. [Accepted]
- PolyHope-M at RANLP2025 Subtask-1 Binary Hope Speech Detection: Spanish Language Classification Approach with Comprehensive Learning using Transformer, Traditional ML, and DL. [Paper]

COMPETITIONS

- DATATHON 2023 by DIU CPC: Top three ranked
- PolyHope-M at RANLP2025: Bridging Hope Speech Detection Across Multiple Languages: Top three ranked
- Crack Dataset 2024 by DIU NLP and ML lab: Top 15th ranked
- Game of Datathon Bitfest 2025
- National Data Analytics Contest NDAC-2025
- PolyHope at IberLEF 2025: Optimism, Expectation or Sarcasm?
- DIU TAKE-OFF Programming Contest Spring 2022: Top 15th ranked

REFERENCE

Sharun Akter Khushbu
Assistant Professor
Department of CSE, Daffodil International University
Mail: sharun.cse@diu.edu.bd
Cell: +8801730599307