Zinnat Fowzia Ria

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EDUCATION

North South University Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering *September 2019 – July 2024*
CGPA: 3.39

EXPERIENCE

Research Assistant May 2024 – Present
NSUHCI-DIAL *North South University, Dhaka, Bangladesh*
- Conduct research involving qualitative and quantitative analyses to support data-driven decision-making.
- Design and develop an accessibility-focused app for individuals with physical disabilities.

Data Annotator September 2024 – Present
RWS Group *Remote, USA*
- Label and annotate datasets to improve AI model accuracy and performance.
- Ensure data quality and consistency across various projects.

PROJECTS

RentLink | *Java, React, Node.Js, MongoDB* January 2023 – June 2023
- Developed a web and Android platform for rental posting, owner-tenant chat, map integration, and property feed.
- Built the Android platform using Java.
- Developed the web platform using React, Node.Js, and MongoDB.

Pattern Analysis from Time-series Electricity Consumption | *Machine Learning* July 2022 – Nov 2022
- Used Python and machine learning techniques to analyze electricity consumption patterns.

Glaucoma Detection Optimization: Knowledge Distillation Approach July 2023 – Nov 2023
- Employed PyTorch and advanced deep learning techniques to detect glaucoma across diverse datasets.

TECHNICAL SKILLS

- **Programming Languages**: Java, Python, C/C++, JavaScript, HTML/CSS
- **Proficient Knowledge**: Data Structures and Algorithms, Deep Learning, NLP, Problem Solving, Machine Learning
- **Developer Tools**: Git, Streamlit, VS Code, PyCharm, IntelliJ, MongoDB, Conda, GitHub

AWARDS

- **NSU_RookieChicks**: Ranked 37th at National Girls' Programming Contest, 2021
- **NSU_Noobies**: Ranked 33rd at National Girls' Programming Contest, 2022
- **NSU_Noobs**: Honorable Mention at ICPC Asia Dhaka Regional Preliminary Contest, 2023
- **NSU_Name_Pending**: Honorable Mention at ICPC Asia Dhaka Regional Preliminary Contest, 2020
- **ICPC ID**

PUBLICATIONS

- Shahriyar Zaman Ridoy, Jannat Sultana, Zinnat Fowzia Ria, Mohammed Arif Uddin, Md Hasibur Rahman, Rashedur M. Rahman, **"An Efficient Text Cleaning Pipeline for Clinical Text for Transformer Encoder Models"**, In *2024 IEEE 12th International Conference on Intelligent Systems (IS), Varna, Bulgaria*, **Accepted. Best Paper**
- Moshiur Rahman Faisal, Abdur Rahman Fahad, Shahriyar Zaman Ridoy, Jannat Sultana, Zinnat Fowzia Ria, Md Hasibur Rahman, Mohammed Arif Uddin, Rashedur M. Rahman, **"Context-Aware Data Cleaning: Optimizing Bengali Text for Contextual Text Classification"**, In *SN Computer Science*, **Accepted.**

LANGUAGES

English: Fluent
Bengali: Native