Md. Taslim

CONTACT INFORMATION

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RESEARCH INTERESTS

My research focuses on **multimodal generation** combining language and vision, **question-answering** systems (including visual and conversational AI), and **text summarization**. I'm also interested in **computer vision** and addressing challenges in **low-resource languages**.

EDUCATION

Bachelor of Science in Computer Science and Engineering at Jashore University of Science and Technology, 2023

- CGPA: 3.61 [**Second Position**][Scale 4]
- Thesis: Decision Support System For Agriculture: Crop Disease Recognition And Classification Through An Optimize Convolution Neural Network (CNN)
- Project: Decision Support System For Pest Control In Agriculture

RESEARCH EXPERIENCE

Department of Computer Science and Engineering at Jashore University of Science and Technology [March 2021 - April 2023]

- Identified research problems, collected and validated datasets, and implemented methodologies.
- Conducted experiments, performed data analysis and assisted in code optimization.
- Summarized findings, contributed to academic papers and collaborated with faculty on projects.
- Also helped prepare grant proposals and research reports.

INDUSTRY EXPERIENCE

Software Engineer [2023 -] at Polygon Technology Limited, Dhaka, Bangladesh.

- Work on diverse international and local projects as a backend software engineer
- Contribute to system design, task breakdown, and implementation using Spring Boot MVC
- Implement microservice architecture for scalable and maintainable applications
- Utilize AWS cloud services including S3, SES, and SNS for robust cloud support

Intern [2023] BJIT Limited, Dhaka, Bangladesh

- Gained hands-on experience with core Spring framework, including JPA, JDBC, and Hibernate
- Worked on projects involving MVC architecture and RESTful API development
- Studied and applied microservice architecture principles and various design patterns

Projects

- **Agave**, Japan - 2024
  An e-commerce website where users can buy and sell tree plants.
- **Energy Portal**, Bangladesh - 2024
  A web-based platform that monitors and tracks device energy consumption.

PROGRAMMING EXPERIENCE

Solved 500+ programming problems across various platforms. Active participant on LeetCode, earned a 50-day streak badge. **LeetCode**: https://leetcode.com/taslimcse/

PUBLICATIONS

1. **Md Taslim**, Md Shafiuzzaman, Mostafijur Rahman Akhond, Md Alam Hossain. "DECISION SUPPORT SYSTEM FOR AGRICULTURE: CROP DISEASE RECOGNITION AND CLASSIFICATION THROUGH AN OPTIMIZE CONVOLUTION NEURAL NETWORK (CNN)." In E-PALLI INTERNATIONAL CONFERENCES (EIC), p. 17. 2023.
2. Bhuiyan Rabiul Alam, Mst Shimu Khatun, **Md Taslim**, Md Alam Hossain. "Handling Class Imbalance in Credit Card Fraud Using Various Sampling Techniques." American Journal of Multidisciplinary Research and Innovation 1, no. 4 (2022): 160-168.
3. Md Asfaqur Rashid, Md Alam Hossain, **Md Taslim**, Md Nasim Adnan. "KRISHOKBOT: AN INTELLECTUAL AGENT FOR FARMERS." In E-PALLI INTERNATIONAL CONFERENCES (EIC), p. 12. 2023.
4. **Md. Taslim**, Md Shafiuzzaman, Md. Moradul Siddique, Md. Alam Hossain: How do machine learning algorithms perform in breast cancer classification? (Under submission).
5. **Md. Taslim**, Md Shafiuzzaman, Md. Moradul Siddique, Md. Alam Hossain, Syed Md Galib, Md Asif Nashiry: Evaluating Cognitive Levels through Advanced Classification of Exam Questions according to the Revised Bloom's Taxonomy via Large Language Models (WIP).

NOTABLE PROJECTS

1. **Decision Support System for Pest Control in Agriculture**
   Funded by: ICT Division, Bangladesh
   The Decision Support System for Pest Control in Agriculture is designed to assist farmers and agricultural workers in making informed decisions about pest control strategies.

1. **Rice Disease Recognition and Pesticide Recommendation using Deep Learning**
   Funded by: Jashore University of Science and Technology Research Cell
   This project aims to recognize different types of rice diseases and provide recommendations for effective pesticide management using deep learning.

RELEVANT COURSES

Coursera : Machine Learning, Natural Language Processing Specialization, Deep Learning Specialization, TensorFlow in Practice Specialization, Computer Vision—Object Tracking with OpenCV and Python, Feature Engineering.

SOFTWARE PROFICIENCIES

Proficient in Python, C, C++, Java, and Spring Boot, with expertise in machine learning frameworks (PyTorch, Keras, TensorFlow), NLTK and data science libraries, SQL, Linux, and Git version control

HONORS AWARDS

- Intra University Mathematics Olympiad - 9th Position (2022)
- Intra College Essay Competition - Second Position (2015)