ASHIQUR RAHMAN

rahmanashiqur581@gmail.com
Contact : 01878695261 , Address: Bashundhara R/A,Dhaka
Github: ashiq-056 (github.com)

Education

KHULNA UNIVERSITY OF ENGINEERING AND TECHNOLOGY 2017 - 2022
B.Sc. in Computer Science
CGPA: 3.53
Relevant Coursework: Data Structure, Algorithm Analysis & Design, Object Oriented Programming, Software Engineering, Database Management, Operating Systems, Computer Architecture, Natural Language Processing

Publications

- M. A. Ul Haque, A. Rahman and M. M. A. Hashem, "Sentiment Analysis in Low-Resource Bangla Text Using Active Learning," 2021 5th International Conference on Electrical Information and Communication Technology (EICT), 2021, pp. 1-6, doi: 10.1109/EICT54103.2021.9733711.
    - Link: Sentiment Analysis in Low-Resource Bangla Text Using Active Learning | IEEE Conference Publication | IEEE Xplore

- S. Alam, M. A. U. Haque and A. Rahman, "Bengali Text Categorization Based on Deep Hybrid CNN–LSTM Network with Word Embedding," 2022 International Conference on Innovations in Science, Engineering and Technology (ICISET), 2022, pp. 577-582, doi: 10.1109/ICISET54810.2022.9775913.
    - Link: https://ieeexplore.ieee.org/abstract/document/9775913

Awards & Achievement

- Dean’s Award Recipient for Outstanding Academic Performance (GPA: 3.78/4.00, Third Year, Session 2018-2019)
- Dean’s Award Recipient for Outstanding Academic Performance (GPA: 3.76/4.00, Third Year, Session 2019-2020)

Academic Projects

Sentiment Analysis in Low Resource Bangla Text

- Implemented Active Learning in different classifier model to analyze the sentiment
- Applied different query sampling methods to reduce the data annotation cost.
- Achieved same accuracy as traditional supervised method using only 65% of the actual data.

Classroom Attendance

- A system implemented in Python using OpenCV that uses image processing to recognize students' faces and digitally give them attendance in the form of a sheet.

Green Hackenbush

- It's a two-person game in which each player cuts edges on a linked rooted graph. The game includes artificial intelligence (AI), which can make intelligent decisions in the face of human opponents. It is implemented in C++.
- Github Link: https://github.com/ashiq-056/Green-Hackenbush

Professional Experience

Senior System Engineer, bKash Limited — *Sep 2022 – Present*

System Engineer with 2 years of experience managing large-scale data systems and ensuring high service availability. Proficient in both NoSQL (ScyllaDB, Cassandra, MongoDB) and SQL databases, with hands-on expertise in designing and deploying data pipelines using Oracle GoldenGate for Big Data, streaming data from Oracle to Kafka and HDFS. Successfully managed a 21-node Cloudera Data Platform (CDP) cluster, ensuring stability, uptime, and performance. Demonstrated strong skills in data modeling for ScyllaDB/Cassandra to enhance query efficiency and system performance. Developed and deployed a high-performance Elasticsearch-based search engine, integrating RabbitMQ and Logstash for real-time data ingestion and indexing. Automated daily operational tasks with Ansible, Python, and Bash, increasing efficiency and reducing manual workload by up to 40%. Designed robust alerting mechanisms in Prometheus using webhooks, enabling proactive monitoring and incident response.

Data Annotator, Invisible AI — *Jun 2022 – Aug 2022*

Worked as a Data Annotator responsible for validating and refining AI-generated textual outputs to ensure linguistic accuracy, coherence, and relevance.

Skills

- **Operating system**: RHEL, Ubuntu
- **Containerization and Orchestration Platform**: Kubernetes, Docker
- **Automation Platform**: Ansible
- **Logging and Monitoring and Tracing**: Prometheus, Grafana, Elasticsearch
- **Programming Languages**: Bash, Python, C++
- **Database**: NosqlDB (Cassandra, MongoDB, ScyllaDB), SQL (MySQL, Oracle)
- **Data Streaming**: Kafka