Sanzida Akter

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About Me

I am a research and data (quantitative and quantitative) analyst at the Quantanite Bangladesh branch, a company that integrates outsourcing expertise with AI to transform sales, customer care, and data into engines of conversion, retention, and revenue growth. I am passionate about performing my research on and contributing to these domains: Natural Language Processing, Artificial Intelligence, Machine Learning, Deep Learning, Human Computer Interaction.

Education

- **BRAC University** — Dhaka, Bangladesh
  BSc in Engineering - Computer Science & Engineering — *Jan 2019 - September 2023*
  - ◇ CGPA: **3.30**/4.00 (Cumulative)

Research Experience

- **BRAC University** — Dhaka, Bangladesh
  Undergraduate Thesis — *Jan 2022 - Mar 2023*
  - ◇ Developed an user application which can detect **Scream and Non-Scream data** and can send help message to particular contact.
  - ◇ Used Flutter packages and API e.g. **flutter audio recorder, sound processing packages, Tensorflow Lite Model, Twillio API** for the software app development.
  - ◇ Created a movie recommendation system for a limited dataset by applying the **Mean, Mode, Median** formulas of **K Nearest Neighbor Algorithm & Cosine Similarity**.

Professional Experience

- **Quantanite Bangladesh** — Dhaka, Bangladesh
  Research & Data Analyst (Full-time) — *March 2024 – Present*
  - ◇ Working with qualitative & quantitative data, validation, analysis of the data and updating the data on the back-end / particular database according to the needs of the client, providing services to people based on the analyzed data.
  - ◇ Working on the technical parts of various websites e.g. a property management website ,a law firm website ; need to check on the interfaces and button if they work properly , if there is any mistake on the spelling (Quality Assurance) , add or delete data where it is necessary.

Publications

- **Sanzida Akter***, Mostafa Nayeem Omar*,Aanan Ehsan Siam,Fariha Rahman,Sadib Tanjib Jishan, Moh. Absar Rahman, Md. Khalilur Rahman **"A System to Prevent Social Violence using Convolutional Neural Network"**, DOI: 10.1016/j.comnet.2025.111274 August 2023
  * Equal contribution

- **Sanzida Akter**, Aanan Ehsan Siam, K.M. Mahfuzul Monir, Md Humaion Kabir Mehedi, Annajiat Alim Rasel **"Bengali Movie Recommendation System using K Nearest Neighbor and Cosine Similarity"**, DOI: 10.1016/j.comnet.2025.111274 August 2023

Skills Summary

- **Languages:**   C++(Fluent), Python(Competent), Java(Competent)
- **Tools, OS and Interests:**   GIT, Linux
- **Soft Skills:**   Leadership, Communication, Public Speaking, Time Management

Test Scores

- **IELTS:**   Listening: **6.0**, Reading: **6.5**, Writing: **6,5**, Speaking: **6.0**. Overall Band: **6.5 (B2)**

Honors and Awards

- **Dean's List** Mentioned on the Dean List for highest **CGPA : 3.83/4.00** on SUMMER 2020 semester

- **VC's List** Mentioned on the VC List for highest **CGPA : 4.00/4.00** on SPRING 2021 semester