

Mayisha Farzana

Educational Qualifications

2016–2021 **Bachelor of Science in Computer Science and Engineering**, Ahsanullah University of Science and Technology, Dhaka, Bangladesh,
CGPA: **3.793** out of **4.00**
Class Ranking: 7th out of 78 students.

Standardized Test Scores

International English Language Testing System (IELTS) 4th September, 2021

Overall - 6.5

Listening - 7.5 | Reading - 6.0 | Writing - 6.0 | Speaking - 6.5

Achievements

- 2021 Received **Dean's List of Honor** for securing CGPA more than 3.75 (based on B.Sc. result)
- 2020 Received **1st** place in Thesis Milestone Poster Presentation arranged by AUST CSE
- 2019 Received **1st** place in Intra AUST programming contest Spring 2019 hosted by CODEWARE
- 2019 Received **2nd** place in Intra AUST Programming Contest organized by Game of Codes
- 2012 Received merit-based **General Award Scholarship** awarded in recognition of outstanding achievement in Junior School Certificate Examination

Undergraduate Thesis Work

- 2021 Thesis Title: **Shuvro: A Context Sensitive Bengali Spell Checker to Combat Hilarious Language Distortion over Social Media**
Supervisor: Mir Tafseer Nayeem, Assistant Professor
Description: Using Avro Keyboard as the baseline, we aimed to create a writing tool to provide text suggestions, contextual spell checking, and Murad Takla (Bangla words written in English with wrong spelling) sentence detection from codemixed Bengali-English text.

Research Publications

- 2021 N. S. Shadin, S. Sanjana and M. Farzana, "Automated Detection of COVID-19 Pneumonia and Non COVID-19 Pneumonia from Chest X-ray Images Using Convolutional Neural Network (CNN)," 2021 2nd International Conference on Innovative and Creative Information Technology (ICITech), 2021, pp. 57-63, doi: 10.1109/ICITech50181.2021.9590174.
- 2021 S. Sanjana, N. S. Shadin and M. Farzana, "Automated Diabetic Retinopathy Detection Using Transfer Learning Models," 2021 5th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT), 2021, pp. 1-6, doi: 10.1109/ICEE-ICT53905.2021.9667793.

Research Interests

Machine Learning, Deep Learning, Natural language processing

Professional Experience

April **Business Analyst** .
2022-Present Sammtech

Technical Skills

Programming Languages C, C++, Java, Python, SQL

Web Development HTML, CSS, Bootstrap, PHP

Database MSSQL, MySQL, SQLite, PL/SQL.

IDE and Applications Code Blocks, NetBeans, Android Studio,, Matlab, GitHub, Microsoft Visual Studio, VMware Workstation Pro, Google Colabotory

Office Applications Latex, Microsoft Excel, Microsoft Powerpoint

Academic Projects

- 2021 **Movie Genre Prediction using Deep learning**, *Using python, deep learning, NLP based.*
Link: <https://github.com/MayishaFarzana/Movie-Genre-Prediction/tree/main>
- 2020 **Baby Day Care**, *Using Oracle, Notepad ++, Virtual Machine.*
Link: https://github.com/MayishaFarzana/Baby_Day_Care
- 2019 **Online Bus Ticket Management System**, *Using C#, MVC ASP.NET, Html, CSS, Bootstrap, Microsoft Visual Studio.*
Link: https://github.com/MayishaFarzana/Online_Bus_ticket_management_system
- 2019 **University Website**, *Using HTML, CSS3, JavaScript, PHP, My SQL, Notepad++,*
Link: https://github.com/MayishaFarzana/University_of_Sky.
- 2019 **Football Tournament Management System** , *Using Java, MSSQL, SQL, NetBeans 8.0, Microsoft SQL Server Management,*
Link: https://github.com/MayishaFarzana/football_tournament_management.

Participation in Seminars And Conferences

- 2019 Participated in **EWU Inter-University Math Olympiad** hosted by East West University
- 2019 Participated in a Workshop on '**Full Stack Web Development** arranged by Aust Innovation and Design Club
- 2019 Participated in a Workshop on 'Next Corporate Leader Development Program Chapter 1.0' arranged by Aust Innovation and Design Club
- 2018 Participated in **10th National Undergraduate Mathematics Olympiad** arranged by Bangladesh Mathematical Society AF Mujibur Rahman Foundation

References

Mir Tafseer Nayeem
Assistant Professor, Dept. of CSE
Ahsanullah University of Science
and Technology,
email: mtnayeem.cse@aust.edu

Dr. S.M.A. Al-Mamun
Professor and Dean, Dept. of CSE
Ahsanullah University of Science
and Technology,
email: almamun@aust.edu