

# 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, Computer Vision, Natural language processing

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## 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

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## 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](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](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](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](https://github.com/MayishaFarzana/football_tournament_management).

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## 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

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## References

### Mir Tafseer Nayeem

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### Dr. S.M.A. Al-Mamun

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