Mayisha Farzana

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SUMMARY OF QUALIFICATIONS

- Second year graduate student majoring in **Electrical and Computer Engineering** at the University of Ottawa
- Working as a **Corrector** at the University of Ottawa, grading papers of the students, graded approximately 350 papers within a short time
- Excellent interpersonal and teamwork skills honed through working on group projects throughout bachelor's degree

EDUCATION

Master of Engineering in Electrical and Computer Engineering   Sep 2022 - present
University of Ottawa, ON
- Expected graduation date: May, 2024

Bachelor of Science in Computer Science and Engineering   2016 - 2021
Ahsanullah University of Science and Technology, Dhaka, Bangladesh
- CGPA: **3.793** out of **4.00**
- Received **Dean's List of Honor**
- Relevant courses: Database Management System, Data Structures and Algorithms, Object-Oriented Programming, Machine Learning/Deep Learning, Natural Language Processing

RELEVANT SKILLS

Technical Skills
- Programming languages: C, C++, Java, Python, SQL, Power BI
- 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 Colaboratory
- Office Applications: Latex, Microsoft Excel, Microsoft Powerpoint

Soft Skills
- Communication, Critical Thinking, Self-Starter, Agile Learner, Problem-Solving, Time Management, Prioritization

Design and prototyping
- User flows, sketching, Video editing

WORK EXPERIENCE

Corrector   Sep 2022 – Dec 2022
University of Ottawa, ON
Assigned course: Computer Architecture
- Performed data entry tasks in excel of student's midterm and final results at a specific time using time management skills
- Explained the marking to the students after submitting their marks while using research and critical thinking skills
- Prepared and graded 100+ mid-term and final exam answer scripts in one day with strong attention to details

Executive Project Management Team   Oct 2022 - present
Professional Development Club, University of Ottawa, ON
- Communicating and working closely with the industries to bring any project requirements for graduate students at the University of Ottawa, which develops teamwork skills and leadership quality
- Managing a team of 8 members, assigning them to the project-specific roles who are responsible for some particular roles of the project
- Monitoring and analyzing the projects given by the industries and matching them with the student's skillsets
- Providing a platform to discuss issues related to student life and to their specific field of interest

- Helping students to develop skills that are important to the Canadian job market (through professional skills development workshops

Business Analyst   Apr 2022 – Jul 2022
Sammtech, Dhaka, Bangladesh
- Acted as a liaison between client and technical solutions and supported the groups to document, analyze and validate business processes, systems, and solution requirements.
- Identified and translated business requirements into functional and system requirements.
- Created a detailed business analysis, outlined the problems, opportunities, and solutions for a business
- Conducted meetings and presentations to share ideas and findings

VOLUNTEER EXPERIENCE

Paul Menton Centre for Students with Disabilities (PMC) Volunteer Notetaker   Sep 2022 – Dec 2022
Carleton University, ON
- Prioritized, organized and managed personal workload while meeting 48-hour weekly notetaking deadlines that support academic outcomes of students with disabilities
- Identified and synthesized key learnings from classroom lectures into brief notes to help improve comprehension of lecture material
- Demonstrated ability to listen actively during lectures and convey spoken information clearly in written form for an audience with varied abilities and needs
- Took the initiative to commit to and follow through on a leadership role at the Paul Menton Centre for Students with Disabilities for a number of months under minimal supervision

UNDERGRADUATE THESIS WORK

Thesis Title: **Shuvro: A Context Sensitive Bengali Spell Checker to Combat Hilarious Language**   2021
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

- 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.
- 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/ICEEICT53905.2021.9667793.

ACADEMIC PROJECTS

- **Comparing Structural Coverage Tools:** Used java, eclipse, IntelliJ IDEA, structural coverage tools   2022
Link: https://github.com/MayishaFarzana/Comparing-Structural-Coverage-Tools
- **Movie Genre Prediction using Deep learning**: Used python, deep learning, NLP based.   2021
Link: https://github.com/MayishaFarzana/Movie-Genre-Prediction/tree/main
- **Baby Day Care**, Used Oracle, Notepad ++, Virtual Machine.   2020
Link: https://github.com/MayishaFarzana/Baby_Day_Care
- **Online Bus Ticket Management System**, Used C#, MVC ASP.NET, Html, CSS, Bootstrap,   2019
Microsoft Visual Studio.
Link: https://github.com/MayishaFarzana/Online_Bus_ticket_management_system
- **University Website**, Used HTML, CSS3, JavaScript, PHP, My SQL, Notepad++   2019
Link: https://github.com/MayishaFarzana/University_of_Sky.
- **Football Tournament Management System:** Used Java, MSSQL, SQL, NetBeans 8.0,   2019
Link: https://github.com/MayishaFarzana/football_tournament_management.