

Mayisha Farzana

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SUMMARY OF QUALIFICATIONS

- Second-year graduate student majoring in **Electrical and Computer Engineering** at the University of Ottawa
- Highly organized and detail-oriented **Project Coordinator**, managing and coordinating projects at the University of Ottawa
- Excellent interpersonal and **teamwork** skills honed through working on group projects throughout my bachelor's degree
- Strong **critical thinking** mindset, along with good leadership and team management abilities earned through working as a **Business Analyst**
- Excellent **verbal** and **written communication skills** and key ability of **interacting with stakeholders**.

EDUCATION

Master of Engineering in Electrical and Computer Engineering September 2022 - Present

University of Ottawa, ON

Expected graduation date: May 2024

Relevant courses: Software Testing, Cloud Infrastructure and Technologies, Data Science Applications

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**

Class Ranking: 7th out of 78 students.

Relevant courses: Database Management System, Data Structures and Algorithms, Object-Oriented Programming, Machine Learning/Deep Learning, Natural Language Processing

WORK EXPERIENCE

Project Coordinator January 2023 – Present

University of Ottawa, ON

- Gaining experience in **Project Management**, including preparing tenders, budgets, estimates, and purchase orders.
- Strong skills in **project planning** and scheduling, as well as monitoring project finances and equipment tracking.
- Adept at serving as the main point of contact between contractors, vendors, and project management teams.
- Demonstrating the ability to effectively communicate and collaborate with stakeholders at all levels of an organization.

Industry Relations Executive October 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

Corrector September 2022 – December 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**

Business Analyst April 2022 – July 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 using **problem-solving skills**.
- Communicated strategies to analyst team, and received valuable feedback regarding approach to business observations
- Created a detailed **business analysis**, outlined the problems, opportunities, and solutions for a business
- Drafted client reports under the supervision of senior analysts, receiving 100% positive feedback for alignment to client goals

ACADEMIC PROJECTS

Comparing Structural Coverage Tools:

2022

- Used the **Java** programming language on five different subject programs and conducted a comparative analysis of four structural coverage tools (Jacoco, Open Clover, IntelliJ IDEA and Cobertura)
- The goal was to understand the differences in coverage reports generated by each tool and evaluate their effectiveness.

Movie Genre Prediction using Deep learning:

2021

- Utilized advanced machine learning techniques, including **deep neural networks** and **logistic regression**, to predict the success of movies using only their plot summary text.
- Implemented the model using **Python** and an open-source dataset to provide an earlier prediction of a movie's success.

Baby Day Care:

2020

- Developed and implemented a distributed **database system** for a baby daycare center using **Oracle, Notepad++**.
- The system enabled employees to view and manage the database while allowing customers to make payments and view detailed information on their children. The system was implemented to improve the efficiency and accessibility of the daycare's database.

Online Bus Ticket Management System:

2019

- Developed and implemented an Online Bus Ticket Management System, a web-based application using **ASP.NET, MVC** and **Microsoft SQL**. The system allows customers to book bus tickets, make secure online payments and manage their bookings. It also enables bus owners to manage coaches, clients, and services.
- The system is a convenient and efficient solution for both customers and bus owners. Utilized **HTML, CSS, Notepad, PHP, MySQL**, and the **.NET Framework** for development. The system is designed to be user-friendly and constantly improved based on user feedback.

University Website:

2019

- Designed and developed a university website using **CSS, HTML** for front-end design and **PHP**, and **MySQL** for back-end. The website allows students to log in, view their courses, and access department-specific information. The project primarily focused on front-end design and user interface.

Football Tournament Management System:

2019

- Developed a database project for managing football tournaments using **NetBeans, Java** and **Microsoft SQL**. The scheme allows for input from players and referees and the scheduling of matches for teams.
- The project focused on managing and organizing tournament data and match schedules.

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

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. <https://ieeexplore.ieee.org/document/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. <https://ieeexplore.ieee.org/document/9667793>