

Sadia Anzum

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SKILLS

- **Programming:** C, Java, Python, HTML/CSS, SQL, JavaScript
- **Tools:** Git, GitHub, Microsoft Office (Teams, Outlook, Excel, Word, PowerPoint), Visual Studio Code
- **Databases:** MySQL, Microsoft SQL Server
- **Operating Systems:** UNIX, Linux
- Knowledge of the Software Development Lifecycle
- Ability to learn quickly and adapt to new technologies
- Highly motivated individual, enthusiastic to take on a variety of challenges and opportunities
- **Soft Skills:** collaboration, teamwork, leadership, verbal and written communication, initiative, attention to detail

EDUCATION

Master of Applied Computing Sep 2023-Present
University of Windsor Windsor, Ontario

- **GPA:** 80.0/100
- **Coursework:** Databases, Marketing, Managing Employees, Data Structures & Algorithms, Software Engineering

Bachelor of Technology (B.Tech) in Computer Science & Technology Graduated in June 2023
University of Engineering & Management (UEM) Kolkata, India

- Recipient of **Certificate of Merit** (Department of Computer Science) for academic excellence in top 20% of the Computer Science Department for Academic Year 2020-2021
- Coursework: System Design, Operating Systems, Data Structures & Algorithms, Object-oriented programming

PERSONAL PROJECTS

Responsive Personal Portfolio Website having Light/Dark Mode Options Dec 2023 – Mar 2024

- Developed a sleek and responsive personal portfolio website using a robust tech stack—HTML, CSS, and JavaScript, offering a seamless user experience with option to switch between Light and Dark modes

ACADEMIC PROJECTS

Socket-based File Retrieval System with Client-Server Architecture Mar 2024-Present
University of Windsor Windsor, Ontario

- Designing and implementing a server application to handle concurrent client requests for file retrieval using sockets in C programming language
- Implementing functionality to search for requested files within a designated directory structure
- Building a client program that allows users to request single or multiple files and interprets server responses (including error messages)

Wild Blueberry Yield Prediction Using a Combination of Computer Simulation and Machine Learning Algorithms
University of Engineering & Management (UEM) Jan 2022-Dec 2022

- Developed a predictive model for Wild Blueberry Yield utilizing Streamlit, deployed on Heroku
- Leveraged an open-source Wild Blueberry Pollination Simulation Model dataset, validated through 30 years of field observations and experimental data from Maine USA and Canadian Maritimes
- The model enables comprehensive exploration of factors impacting pollination efficiency and yield in wild blueberry agroecosystems

Hostel Management System Mar 2021-Apr 2021
University of Engineering & Management (UEM)

- Created a robust Hostel Management System using JDBC, Java, and MySQL, streamlining hostel operations, including admissions, fees, room allotment, and report generation for seamless transactions

PUBLICATION

A New Modified Method of Cryptography using Caesar Cipher [\[link\]](#)

American Journal of Electronics and Communication (Vol.1, Issue-4)

Jun 2021

- Pioneering a paradigm shift in cryptographic security, our paper systematically exposes the vulnerabilities of the conventional Caesar Cipher and proposes innovative modifications
- Proposed approach fortifies sample messages against Decryption techniques, including robust defense against Brute Force Attacks and Dictionary Methods
- The paper was presented at the e-proceedings of UEM GREEN-2021 conference

EXTRA-CURRICULAR ACTIVITIES

Chair

Jun 2022- Jun 2023

IEEE Student Branch-UEM Kolkata

Kolkata, India

- Conceptualized and executed a multitude of impactful technical events, seminars, and workshops, demonstrating a keen understanding of industry trends and academic interests
- Orchestrated effective teamwork by managing a diverse team, ensuring optimal utilization of each member's strengths and encouraging participation and contribution
- Maintained meticulous records of all technical events, seminars, and workshops conducted by the branch and provided quarterly reports to Branch Counsellor, summarizing key details and outcomes
- Uploaded comprehensive written reports detailing branch activities, including technical events, seminars, and workshops, to the IEEE portal for broader dissemination

Spokesperson

Nov 2021- May 2022

IEEE Student Branch-UEM Kolkata

Kolkata, India

- Leveraged platforms and formulated strategic social media and public relations campaigns, amplifying reach and engagement of Student Branch to connect with target audience consisting of students, researchers and professionals
- Enhanced the Student Branch's visibility and fostering a vibrant community of tech enthusiasts and communicating Missions and Objectives of IEEE

Public Relations Co-Chair

Oct 2021

International Virtual Summit-2021

- Spearheaded collaboration with 20+ IEEE Student Branches from 18 countries around the world to host a virtual technical summit featuring 12 expert speakers from various domains, aimed at fostering a deeper understanding of latest technologies
- Achieved 450 successful registrations from students, professionals and researchers and the event was attended by 300+ attendees
- Recognized by then IEEE's President and CEO with Certificate of Appreciation for outstanding leadership and commitment in organizing the summit

ADDITIONAL TECHNICAL TRAINING

Learning Hadoop (2020) by LinkedIn Learning

Feb 2024

Unix Essential Training by LinkedIn Learning

Jan 2024

CSS Essential Training by LinkedIn Learning

Jan 2024

HTML Essential Training by LinkedIn Learning

Dec 2023

Business Analysis Foundations by LinkedIn Learning

Mar 2023

What is Business Analysis? by LinkedIn Learning

Mar 2023

Fundamentals of Digital Marketing (issued by Google, Credential ID: ZCF 7NF T8B)

Jun 2021