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Education

2020-present
BSc in Computer Science

Effat University

- GPA: 3.88 out of 4
- Dean's List for 2 consecutive semesters.

Expertise

- Programming Languages: Java, Python, C++, JavaScript
- Web Development: HTML, CSS, PHP, Javascript
- Database Management: SQL
- Algorithms and Data Structures
- Software Development
- Object-Oriented Design
- Problem Solving
- Teamwork and Collaboration
- Communication Skills
- Continuous Learning

Language

English

Urdu

Mehreen Junaid

Computer Science Senior at Effat University

As a dedicated and ambitious Computer Science student at Effat University, I am deeply passionate about the ever-evolving world of technology. With a strong academic foundation, I am constantly seeking opportunities to expand my knowledge and skills in programming languages such as Java, Python, and C++. I excel in web development using HTML, CSS, JavaScript, and PHP, and possess expertise in database management with a strong understanding of SQL. Additionally, I am well-versed in algorithms and data structures, software development, object-oriented design, and problem-solving. Through my commitment to teamwork and collaboration, effective communication, and continuous learning, I am eager to contribute my talents and creativity to the field of computer science and make a meaningful impact in the tech industry.

PROJECTS

Airline Reservation | Python

Created an advanced airline reservation system that revolutionizes the booking process. Employing an intricate network of meticulously designed classes, the system effortlessly manages flights, reservations, and waiting lists. This dynamic solution optimizes the airline industry by streamlining operations and ensuring a seamless customer experience.

Rasis - Poetry Club Website & DokanCaco E-commerce Website | JavaScript, Java, MySQL, CSS, PHP

Developed professional websites for diverse clients, including a poetry club platform and an e-commerce site for a prestigious chocolate store. Leveraging JavaScript, Java, MySQL, CSS, and PHP, I created visually appealing designs with seamless functionality. The poetry club website enables enthusiasts to share their poems, while the e-commerce platform offers a delightful browsing experience for ordering delectable chocolate products. These projects demonstrate my expertise in web development and my ability to cater to specific client needs with attention to detail and professionalism.

School Management System | C++, Makefile

Engineered a comprehensive school management system using C++ and a Makefile for efficient compilation and execution. Leveraging object-oriented programming principles and adhering to a meticulously designed UML class diagram, the system flawlessly handles student and course data. This robust solution simplifies administrative tasks and facilitates effective management within educational institutions.

Numerical Methods | MATLAB

Implemented cutting-edge numerical methods in MATLAB to solve complex equations. Tackling both algebraic and differential equations, the project incorporates a wide range of methods such as Bisection, Newton, Secant, Euler, Taylor, and Runge-Kutta. This endeavor showcases a deep understanding of numerical analysis and the ability to translate mathematical concepts into practical solutions.

Enhanced File Manipulation Program | Python

Developed an advanced file manipulation program in Python, showcasing proficiency in software development and data management. This project demonstrates expertise in Python programming, as well as a deep understanding of file handling and manipulation. Designed with a user-friendly interface and a comprehensive set of functionalities, the program empowers users to efficiently perform various operations on text files, enhancing file management efficiency. This project highlights problem-solving skills, attention to detail, and the ability to create practical software solutions.

REFERENCES

Dr. Akila Sarirete

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of College of Engineering,
Effat University

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University

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NOTABLE ACHIEVEMENTS

○ 2022 - 2023

Dean's List

Consistently maintaining an exceptional level of academic performance, I earned a place on the Dean's List in recognition of my outstanding achievements. With a GPA of 3.88, I demonstrated unwavering dedication to my studies and a commitment to academic excellence.

○ Jan 2023

Published Paper in L&T Conference [↗](#)

Contributing to the advancement of research, I published a notable paper titled "The Redefinition of mHealth Applications in the Metaverse" at the esteemed L&T 2023 conference. This publication showcases my in-depth knowledge and innovative thinking in the evolving field of mHealth applications.

○ May 2023

First Place in Undergraduate Research Forum (UGRF 2023) [↗](#)

I attained a significant milestone in my academic journey by securing the first place in the highly competitive Undergraduate Research Forum 2023. Outperforming participants across various tracks, my winning paper, "Longitudinal Analysis of the Effectiveness of a VR-Based Parent-Child Interactive Training Program in Promoting Positive Parenting," highlights my commitment to impactful research and making meaningful contributions to the field.

VOLUNTEER EXPERIENCE

○ Research Website Project | Effat University

Engaged in a collaborative research website project undertaken at Effat University. Contributed actively to the development and implementation of the project, working closely with a team of researchers and professionals to create an impactful online platform. This experience allowed me to gain practical insights into research project management and further honed my skills in web development and teamwork.

○ Volunteer Work | GOLTENS RED SEA (SAUDI) CO.LTD

Volunteered at GOLTENS RED SEA (SAUDI) CO.LTD as a Proofreader, Newsletter Publisher, Email Manager, and Press Release Writer. Played a vital role in ensuring the accuracy and quality of written materials by meticulously proofreading and editing reports, memos, and promotional content. Created, edited, and published engaging newsletters, effectively communicating company updates and achievements. Managed incoming general emails, providing timely responses and appropriate handling of inquiries. Additionally, wrote and edited impactful press releases to promote the company's accomplishments. Through these experiences, I sharpened my proofreading, editing, and content creation skills, while contributing to the organization's communication efforts.