

Syed Arif Mustafa

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EDUCATION

DHA Suffa University:

Oct 2022 – July 2026

BSc. in **Software Engineering**

Relevant Course(s): Programming fundamentals, Object oriented programming, Data Structure & Algorithms, Database system, Operating system et al.

PECHS Education Foundation College

Sept 2020 – Aug 2022

Intermediate – **Pre-Engineering**

Relevant Course(s): Physics, Chemistry & Mathematics.

PROJECTS

Website Development / Introduction to Information & Technology (2022)

- Developed a clothing e-commerce website by using HTML, CSS and JavaScript while focusing on user friendly interface and responsiveness.
- Incorporated interactive features including but not limited to dynamic product displays, shopping cart functionality and form validations to ensure satisfied user experience.
- Ensured cross-browser compatibility and optimized the sites for various devices for seamless customer experience on the platform.

Hotel Management System / Programming Fundamentals (2022)

- Developed a comprehensive hotel management system using C, implementing features such as room booking, billing, and customer management.
- Enhanced the system's efficiency with optimized data structures and algorithms for real-time operations.
- Demonstrated proficiency in C programming by managing dynamic memory allocation and file handling for data storage and retrieval.

Student Registration System / Object Oriented Programming (2023)

- Developed a Student Registration System using Java by incorporating object-oriented programming principles to manage student data effectively.
- Implemented features for student enrollment, data validation, and database interaction, ensuring secure and efficient data handling.
- Optimized system performance through structured algorithms, resulting in a streamlined registration process and reduced operational errors.

Factory management system / Database System (2024)

- Developed a Factory Management System using MySQL to efficiently manage inventory, production schedules, and employee data.
- Designed and implemented complex queries for real-time data retrieval, reporting, and process optimization.
- Ensured data integrity and security through robust database structures and access controls.

SKILLS

- Adept at using HTML, CSS, JavaScript, SQL, and Java.