

FARZEEN FATIMA

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Education

Sukkur IBA University	Aug 2023 - May 2027
<i>Bachelors of Computer Science</i>	<i>Sukkur, Sindh</i>

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio

Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress

Other Skills: Advanced Excel, Advanced MS Word, Data Analysis, Computer Architecture, DLD

Experience

Tech Hackathon	14 April 2025 - 15 April 2025
<i>Sukkur IBA University</i>	<i>Sukkur, Sindh</i>

- Developed a fully functional e-commerce website using HTML, CSS, and JavaScript to provide a seamless user experience for browsing, searching, and purchasing products online.
- Collaborated with a team to design intuitive UI components, product listings, and a responsive layout to ensure cross-device compatibility.
- Implemented interactive features such as a dynamic shopping cart and product filtering to enhance user engagement.
- Recognized as the Best Website in the E-Commerce Category, highlighting the project's professional design, usability, and functionality.

Small Water Plant business	24-May 2021 - 8-August 2023
<i>Client Data Coordinator</i>	<i>Sukkur, Sindh</i>

- Managed client data and daily order records using Microsoft Excel to streamline operations.
- Created organized spreadsheets to track orders, deliveries, and contacts efficiently.
- Applied Excel formulas to ensure accuracy and support business decisions.

Projects

OS Scheduling Visualizer HTML, CSS, JS	May 2025
<ul style="list-style-type: none">Built a web tool to visualize CPU scheduling algorithms (FCFS, Round Robin, Priority Based, SJF) with process input and realtime results.Implemented features to input process details (process number, burst time, arrival time, priority) and examine which algorithm performs best.	

- Enhanced user understanding of Operating Systems concepts through interactive visualizations and real-time results.

Algorithm Visualizer | Java

September 2024

- Developed a Java app to visualize DSA concepts like arrays, linked lists, trees, and graphs with animations for better learning.
- Implemented Java-based animations to demonstrate insertions, deletions, and traversals for educational purposes.
- Improved algorithm learning by allowing step-wise execution and visual feedback for each data structure operation.

University Info Website | C++

October 2023

Created a simple C++ program to display university department criteria and program details with interactive menus.

Leadership / Extracurricular

Eco Friend Provisional Director – Sindh

Spring 2025 – Present

- Worked as Eco Friend Provisional Director (Sindh), leading initiatives focused on environmental sustainability and awareness.

AICP Campus Leader

- Served as **AICP Campus Leader**, arranging sessions on campus and guiding team members to achieve organizational goals.