

# FARZEEN FATIMA

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## Education

### Sukkur IBA University

Aug 2023 - May 2027

Bachelors of Computer Science

Sukkur, Sindh

## 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

Sukkur IBA University

Sukkur, Sindh

- 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

Client Data Coordinator

Sukkur, Sindh

- 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

- Built a web tool to visualize CPU scheduling algorithms (FCFS, Round Robin, Priority Based, SJF) with process input and real-time 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.