

# Urooba Batool

Software Engineering Undergraduate

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## EDUCATION

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**Bahria University (Fourth Semester Student)**

*Bachelor's Degree in Software Engineering*

September 2024 – August 2028

**BAMM PECHS College**

*Intermediate*

2022 –2024

## ACADEMIC PROJECTS

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<https://github.com/Urooba-Batool>

### Algo-Puzzle Board

- Developed semester-end projects to demonstrate different data structures and algorithm. Implemented different algorithms like dijkstra, prims, kruskal, linear search, binary search, depth first search, quick sort, bubble sort etc. Focused on time complexity and algorithm efficiency.

### Requiras- Smart Requirement Gathering System

- Developed a course project using typescript and AI to demonstrate the smart requirement elicitation process. Implemented an interactive interface that collects user inputs and refines them into structured software requirements. Designed basic logic to categorize functional and non-functional requirements, improving clarity and reducing ambiguity. Focused on clean UI, modular code structure, and clear documentation to simulate a real-world requirement gathering workflow.

### Decode And Discover

- Developed semester-end projects using C# to demonstrate OOP principles. Implemented classes, inheritance, encapsulation, and basic logic handling. Focused on clean code structure and problem-solving.

### Vampire Epidemic – Desktop-Based Game

- Developed a C# game project to demonstrate programming concepts. Implemented game logic and character interactions using programming principles. Focused on clean code organization effectively to simulate a simple epidemic survival scenario.

## TECHNICAL SKILLS

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**Skills:** C# | Java | SQL Server | HTML | CSS | Bootstrap | UI/UX | Figma | Git | GitHub | Object-Oriented Programming | Data Structures | VS Code | Visual Studio | Apache NetBeans | MS Office

## SOFT SKILLS

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- Strong problem-solving
- Effective time management under pressure
- Team collaboration and communication

## EXTRACURRICULAR ACTIVITIES

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- Techathon 1.0 and Supercomp Volunteer