

Muhammad Zunoon Ali

COMPUTER SCIENCE STUDENT (SZABIST)

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PROFESSIONAL SUMMARY

Dedicated and motivated BSCS student at SZABIST Clifton, Karachi. Strong foundational knowledge in computer science, programming, and academic project development. Completed multiple course projects involving C, Java, Assembly, and PostgreSQL, along with practical applications of algorithms, data structures, OOP, digital systems, and formal languages. Passionate about applying learned knowledge to real-world problems through structured academic efforts and continuous learning.

EDUCATION

Bachelor of Science in Computer Science

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST), Karachi

Expected Graduation: 2027

INTERNSHIP EXPERIENCE

Laravel Intern at Fossphorus (July-August 2023)

- Worked on backend functionality and learned Laravel fundamentals.
- Left to pursue tertiary education at SZABIST.

COURSEWORK & ACADEMIC PROJECTS

Semester 1:

- Fundamentals of Programming (C Language): Learned syntax, data types, file handling, structures, and created a number system conversion project.
- Introduction to Computer Science & ITC: Created a static single-page website; covered MS Office tools.

Semester 2:

- Object-Oriented Programming (Java): Built a payroll management GUI application with full CRUD, file storage, and OOP concepts.
- Digital Logic Design: Designed a light-detecting sensor using gates and simulation tools.

Semester 3:

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- Data Structures & Algorithms (Java): Developed a student management system with sorting/searching (BST, bubble/merge/quick sort).
- Discrete Math: Applied discrete logic in real-world problem modeling.
- Assembly Language: Created an event management system using 8086 addressing, file logic, and segment registers.

Semester 4:

- Database Systems (PostgreSQL): GPA calculator project with Express.js, Alpine.js, REST APIs, and Neon DB.
- Design & Analysis of Algorithms: Learned Big O, space/time complexity, sorting/searching efficiency.
- Finite Automata: Learned Regular Expressions, CFG, PDA, and Turing Machines.

TECHNICAL SKILLS

- Programming: C, Java, Python, JavaScript, PHP, C#, Assembly
- Web: HTML, CSS, Bootstrap, Laravel, Alpine.js, React (basic)
- Backend: Node.js, Express.js (learning)
- Databases: PostgreSQL, MySQL, MongoDB
- Tools: Git, GitHub, VS Code, Photoshop, Illustrator, MS Word, Excel, PowerPoint

LANGUAGES

- Urdu: Native
- English: Conversational