

Syeda Laraib

WEB DEVELOPER
BS COMPUTER SCIENCE

CONTACT

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<https://github.com/syedalarai210-cpu>

Location
Lahore, Pakistan

EDUCATION

BS Computer Science

PUCIT, Lahore
2024 – Present
Semester 4

CGPA: 3.595 / 4.0

TECHNICAL SKILLS

HTML / CSS ██████

JavaScript ██████

React ██████

Python ██████

C++ ██████

MySQL ██████

LANGUAGES

Urdu — Native

English — Professional

Punjabi — Native

SOFT SKILLS

Problem Solving
Team Collaboration
Time Management
Quick Learner

Profile

Dedicated and motivated BS Computer Science student at PUCIT sLahore with a strong academic record (CGPA 3.595/4.0). Passionate about building modern, responsive web applications with a solid foundation in HTML, CSS, JavaScript, React, and Python. Adept at problem solving through strong DSA and OOP knowledge. Seeking a web development internship to apply technical skills in a professional environment and grow as a full-stack developer.

Relevant Courses

Programming Fundamentals | Object Oriented Programming | Data Structures & Algorithms | Database Systems | Advanced Database Systems

Projects

Personal Portfolio Website — HTML · CSS · JavaScript 2026

- Designed and built a fully responsive personal portfolio website from scratch.
- Implemented smooth animations, hover effects, and mobile-first layout.
- Hosted on GitHub Pages, showcasing academic projects and technical skills.
- Practiced clean UI design principles and cross-browser compatibility.

Employee Payroll Management System — C++ · OOP · File Handling 2025

- Developed a console-based payroll management system in C++ using OOP principles to manage employee records and salary processing.
- Implemented classes for Employee, Department, and Payroll with features like add, update, delete, and search functionality.
- Calculated net salary automatically including basic pay, allowances, bonuses, and tax/deduction handling.
- Stored and retrieved employee records using file handling ensuring data persistence across sessions.

Network Traffic Monitor — Real-Time Packet Analyzer — C++ · Socket Programming · Packet Sniffing 2026

- Built a real-time network packet sniffer in C++ inspired by Wireshark, capable of capturing and analyzing live network traffic.
- Implemented raw socket programming to intercept and decode incoming and outgoing data packets at the network level.
- Displayed packet details including source/destination IP, protocol type (TCP/UDP), port numbers, and payload size.
- Designed a console-based live monitoring interface showing continuous packet flow with filtering by protocol type.

Mini Search Engine — Offline Information Retrieval System — C++ · DSA · File Handling 2025

- Built an offline mini search engine in C++ that indexes and searches through text documents without internet connectivity.
- Implemented an Inverted Index data structure to map keywords to documents enabling fast and accurate query retrieval.
- Designed Boolean Search functionality supporting AND, OR, NOT operators for advanced multi-keyword filtering.
- Applied string parsing and tokenization to extract, clean, and normalize keywords from multiple input text files.

Achievements & Activities

- Maintained CGPA of 3.595 / 4.0 across 4 consecutive semesters at PUCIT Lahore.
- Completed online courses in Web Development covering HTML, CSS, JS, and React.
- Active participant in university coding competitions and tech events.
- Strong foundation in problem solving developed through DSA and OOP coursework.