

Nabiha Nasir

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EDUCATION

Ghulam Ishaq Khan Institute (GIKI)

Bachelor of Software Engineering

Topi, Sawabi

2024 – 2028

Fazaia School and Colleges

FSc Pre-Engineering

Kallar Kahar

2021 – 2023

PROJECTS

Pulse Chain GIKI | HTML, CSS, JavaScript, Firebase

- Developed comprehensive blood donation management system with Firebase backend for GIKI campus
- Implemented real-time database to streamline donor-recipient matching and emergency blood request handling
- Created responsive user interface for donor registration, blood inventory tracking, and request management
- Received A Grade and featured as exemplary project for full-stack web development practices

SWOT-LINK | HTML, CSS, JavaScript

- Built a platform connecting investors and startups with integrated SWOT analysis tools
- Implemented dynamic user interface for both investors and entrepreneurs using vanilla JavaScript
- Developed interactive SWOT analysis dashboard for strategic business evaluation
- Designed client-side matching system to connect startups with relevant investors based on industry

Intru-Watch | Python, CSS, Streamlit

- Built an intrusion detection system for GIKI campus using Streamlit web framework
- Implemented data visualization dashboard with custom CSS styling for security monitoring
- Developed real-time alert system using Python for detecting unusual campus activity patterns
- Created interactive web interface for security personnel to monitor and respond to threats

Study Group Scheduler | C++, OOP Principles, File Handling

- Created object-oriented application in C++ for managing and scheduling study groups
- Implemented core OOP concepts including inheritance, polymorphism, and encapsulation
- Designed class hierarchy for students, courses, and study sessions with appropriate relationships
- Developed file handling system for persistent storage of user data and schedules

Hospital Management System | C++, File Handling, Data Structures

- Designed complete hospital management solution handling patient records and appointments
- Implemented file-based data storage for patient data, staff information, and billing records
- Developed modules for appointment scheduling, prescription management, and inventory tracking
- Created role-based access control for doctors, nurses, and administrative staff

ACHIEVEMENTS & COMPETITIONS

5th Place - ICPC Asia Topi Preliminary 2026

2026

- Competed in one of the most prestigious programming competitions demonstrating strong problem-solving skills

CERTIFICATIONS

Google UX Design Foundations | Google

2024

Introduction to Software Engineering | IBM

2024

Introduction to Python | DataCamp

2024

AI Foundations | Oracle Cloud Infrastructure (OCI)

2025

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, Java, HTML/CSS, SQL (MySQL)

Frontend: React, Tailwind CSS, Streamlit, Bootstrap

Backend & Databases: Firebase, MySQL, Git, GitHub

Developer Tools: VS Code, Git, GitHub, PyCharm, Visual Studio

Core Concepts: Data Structures, Algorithms, Object-Oriented Programming, Problem Solving