

# Ghulam Mohiyu Ud Din

Lahore | [ghulammohiyudin11@gmail.com](mailto:ghulammohiyudin11@gmail.com) | 03054052478 | Portfolio | LinkedIn | GitHub

## Profile

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Computer Science undergraduate with a strong foundation in full-stack web development and a passion for building robust, scalable web applications. Skilled in both frontend and backend technologies including HTML, CSS, React, Node.js, Express.js, Django, PostgreSQL, Flask, and C++. Experienced in developing personal projects that demonstrate practical understanding of modern web architectures and best coding practices. Currently seeking internship or entry-level opportunities to apply and further enhance my full-stack development skills in real-world environments.

## Education

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**University of Engineering and Technology, Lahore**, BS in Computer Science Sept 2023 – 2027

- CGPA: 3.641/4.0

- **Relevant Coursework:** Data Structures, Algorithms, Object-Oriented Programming, AI, DBMS

## Experience

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**Full Stack Developer**, Personal Projects 2023 – Present

- Developed **SkillBridge**, a MERN-based job portal featuring role-based access, JWT authentication, resume uploads (Cloudinary), and real-time job filtering.
- Created a custom **Relational Database Management System** web interface with SQL query execution using Flask, Python, SQLite, and Jinja2.
- Built a secure and RESTful **Blog Platform** with Django REST Framework including user login, post management, and comment handling.
- Designed a responsive **Twitter UI clone (X.com)** using Tailwind CSS and vanilla JavaScript to simulate core layout and interactions.
- Engineered a dynamic **Todo App** with full CRUD operations and state management using the MERN stack.

**Software Developer (CLI/Desktop)**, Personal Projects

- Developed **HealthWave**, a CLI-based Hospital Management System in C++ for managing patients, billing, and reporting.
- Created a **Car Obstacle Console Game** in C++ with basic game mechanics, scoring, and collision handling.
- Built a hybrid **Clinic Management System** using C# Windows Forms for GUI and console-based backend operations.

## Projects

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**SkillBridge – Job Application Platform – React, Node.js, Express, MongoDB**

- Developed a full-stack MERN job portal with role-based access (Seeker, Employer, Admin) and JWT authentication.
- Employers can post/manage jobs; seekers can apply, upload resumes (Cloudinary), and track applications.
- Features: Resume preview, admin controls, real-time search, pagination, and responsive UI with Tailwind CSS.
- Technologies Used: React, Tailwind CSS, Node.js, Express.js, MongoDB, Cloudinary, JWT

**Relational Database Management System – Flask, Python, Jinja2**

- Designed and enhanced a custom RDBMS web interface supporting SQL query execution and full CRUD operations.
- Technologies Used: Flask, Python, SQLite, Jinja2

**Blog Application – Django REST Framework**

- Enhanced a blog platform with user authentication, RESTful API endpoints, and post/comment management.

- Technologies Used: Django REST Framework, Python, SQLite

#### **Twitter UI Clone (X.com) – Tailwind CSS, JavaScript**

- Designed a responsive frontend clone of X (formerly Twitter) using modern CSS utilities and semantic HTML structure.
- Technologies Used: Tailwind CSS, HTML5, JavaScript

#### **Todo App – Full Stack Project**

- Created a full-featured Todo app to manage task lists with CRUD functionality and persistent storage.
- Technologies Used: React, Node.js, Express.js, MongoDB

#### **Hospital Management System – C++ (Console App)**

- Improved a console-based hospital management system named HealthWave with modules for patient records, search, and billing.
- Technologies Used: C++, File Handling, OOP

#### **Clinic Management System – C#, Windows Forms + Console**

- Designed a hybrid desktop application for clinic operations with GUI frontend and console-integrated backend.
- Technologies Used: C#, .NET Windows Forms

#### **Car Obstacle Game – C++ (Console Game)**

- Generated a console-based 2D car obstacle game with scoring, collision detection, and real-time gameplay.
- Technologies Used: C++, ASCII Graphics

### **Skills**

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- **Frontend:** HTML5, CSS3, JavaScript, React, Tailwind CSS
- **Backend:** Node.js, Express.js, Django, Flask, REST APIs
- **Programming Languages:** JavaScript, Python, C++, C#
- **Databases:** PostgreSQL, MongoDB, SQLite
- **Tools & Version Control:** Git, GitHub, VS Code
- **Other:** Responsive Web Design, API Integration, CRUD Operations, MVC Architecture