

Ghulam Mohiyu Ud Din

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Profile

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

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

• CGPA: 3.595/4.0

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

Experience

Full Stack Developer, Personal Projects 2023 – Present

- Developed a custom Relational Database Management System (RDBMS) interface using Flask, Python, SQLite, and Jinja2 with support for SQL query execution and full CRUD operations.
- Built a fully-featured blog application using Django REST Framework, integrating user authentication and RESTful API endpoints.
- Initiated a responsive Twitter clone (X.com) using HTML, Tailwind CSS, and vanilla JavaScript to replicate core UI/UX interactions.
- Developed a productivity-focused Todo App with structured component-based architecture.

Software Developer (CLI/Desktop), Personal Projects

- Engineered a comprehensive Hospital Management System in C++ (HealthWave) with features like patient record management, billing, and search functionalities via command-line interface.
- Established a dynamic car obstacle console game using C++, implementing basic physics and collision logic.
- Built a Windows Forms-based Clinic Management System using C with console integration to handle backend logic.

Projects

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

- **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