

Ghulam Dastgir

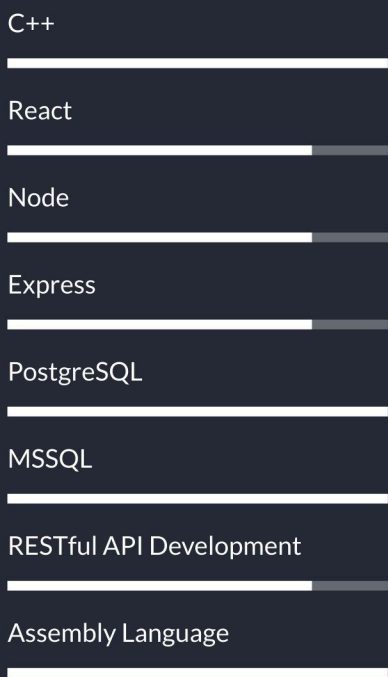
Details

Lahore
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Links

[Linkedin](#)
[Portfolio](#)
[GitHub](#)

Skills



Languages



Profile

Computer Science student at FAST University with strong problem-solving and analytical skills, passionate about building clean, responsive, and user-focused web applications.

Projects

SPACE INVADERS GAME (C++)

- Implements classic Space Invaders in C++ with Windows API graphics.
- Controls spaceship using arrow keys and shoots with spacebar.
- Features alien waves, bullet collision, and increasing difficulty.
- Tracks and stores top 5 high scores on a leaderboard.
- Requires Visual Studio; run as Administrator if console screen is blank.

SOCIAL NETWORK APP (C++)

- Console-based social network app developed in C++ using OOP concepts.
- Supports user login/logout, home page, and friend interactions.
- Features liking, commenting, reposting, and viewing posts.
- Implements classes, inheritance, encapsulation, and polymorphism.
- Focuses on clean code and real-world OOP practice.

MAZE RUNNER GAME (COAL)

- Classic maze game written in pure x86 Assembly with procedural mazes.
- Collect power-ups, avoid enemies, and race against a dynamic timer.
- Uses BIOS interrupts and custom handlers for real-time input and rendering.
- Features 5 unique mazes and time-based scoring system.
- Controls via arrow keys; escape maze before time runs out or enemies catch you.

Task Management System (React.js, Node.js, MSSQL)

- Developed a database-driven platform for team task coordination.
- Implemented secure login, task creation, deadlines, and priorities.
- Built MSSQL schema and optimized queries for quick task retrieval.
- Integrated Node.js backend with a clean React.js admin UI.
- Enabled smooth task tracking, reducing delays in project delivery.

Expense Tracker App (React, Tailwind, Node.js, PostgreSQL)

- Built a finance management app for tracking expenses and budgets.
- Designed React (Vite) UI with Tailwind for fast, responsive views.
- Secured backend with JWT authentication and bcrypt encryption.
- Added features for multi-currency, timezone, and receipt storage.
- Improved user financial awareness through real-time insights.

Education

BS(CS), FAST NUCES, LAHORE

JANUARY 2023

Courses

Full-Stack Web Development Bootcamp, Udemy

MAY 2025 – JULY 2025