Jason Gill

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Professional Summary

Motivated and curious Computer Science student with a passion for embedded systems, IoT devices, and full-stack software development. Skilled in designing real-world solutions such as a commercial-ready GPS + GSM micro-tracker and a custom-built scripting language interpreter. Adept in C#, C/C++, .NET MVC, Supabase, and microcontroller-level development. Seeking an opportunity to apply and grow technical skills in dynamic development teams.

Technical Skills

• Languages: C#, C++, JavaScript, Python, Bash

• Web Stack: HTML, Tailwind CSS, .NET MVC, Supabase, Git, SQL

• Embedded/IoT: Arduino, ESP32, GSM modules, GPS (Neo6M), UART, ADC

• Tools & Platforms: GitHub, Netlify, Visual Studio, Figma, Firebase

Key Projects

◆ Micro GPS + GSM Tracker

A wallet-sized, low-power tracking device built for commercial use

- Combined GSM and GPS modules to send live location via SMS & HTTP

- Designed firmware with location filtering, heartbeat logic, and power-saving mode

- Managed data via cloud dashboard and optional mobile integration

◆ JasonScript Interpreter

A custom scripting language interpreter inspired by ZabtaLang

- Developed lexical analysis, syntax parsing, and runtime in C#

- Supported basic arithmetic, conditionals, and loops

- Used for class projects and personal understanding of interpreters

◆ CatholicConnect App (Concept Design)

Facebook-style social and liturgical app for global Catholic community

- Planned features like parish locators, multilingual Rosary, and event livestreams

- Explored Supabase for real-time data and user authentication

Education

Bachelor of Science in Computer Science
University of XYZ, Lahore, Pakistan
Expected Graduation: 2026

Achievements & Certifications

• Secured top marks in Embedded Systems & Web Programming courses
• Completed "Introduction to Embedded C" on Coursera
• Dean's List (2023–24) for academic excellence

Languages

• English (Fluent), Urdu (Native)

References available upon request.