Hamza Zahoor

Software Engineer

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LinkedIn | **GitHub** | **Portfolio**

Executive Summary:

Final-year Software Engineering student with practical experience building and deploying full-stack applications and AI-enabled features. Familiar with RAG, AI workflows, and development, focusing on delivering reliable software solutions.

Education:

BS Software Engineering   **Dec 2022 –Jun 2026**
Punjab University College of Information and Technology
CGPA: **3.81**

Experience:

Web Developer Intern | Remote | Nexium   Jul 2025 - Aug 2025

- Built full-stack applications with Next.js 15, Supabase (Postgres), MongoDB, Prisma, and Vercel CI/CD. Gained hands-on experience with AI workflows (n8n), modern UI frameworks (ShadCN), and deployment pipelines.

Web Developer Intern | Markonify   Aug 2025 – Sep 2025

AI Training Engineer | Remote | Turing   Dec 2025 – Jan 2026

- Optimized Supervised Fine-Tuning (SFT) workflows by validating the end-to-end alignment of visual observations, logical reasoning paths, and UI automation commands to ensure high-fidelity model training datasets.

Projects:

FYP - DreamAbroad (Next.js + Python) | Live Preview : Built an automated platform to scrape, aggregate, and list scholarships, guiding students throughout the process by connecting them with mentors and communities, improving accessibility and reducing manual search effort.

ICC Cricket Rules RAG Assistant| Live Demo | GitHub : Built and deployed a RAG application that answers complex ICC cricket rule queries using a 400+ page official rulebook, enabling accurate, explainable responses with source citations using LangChain and Milvus.

Lawn Care Services Platform | Live Preview | GitHub : Built a responsive, multi-location service mapping platform using Next.js 15, TypeScript, and Google Maps API, featuring dynamic content rendering and smooth animations with Framer Motion, optimized for performance across all devices.

Job Application Portal – ASP.NET MVC | GitHub : ASP.NET MVC portal with policy and claim-based authorization (Admin/Hr/Applicant). EF Core, SQL Server, CRUD operations, Bootstrap, and Identity.

AI Pitch Writer | Live Demo | GitHub : Developed an AI-powered pitch writing web app with magic link authentication (Supabase), AI logic via n8n, MongoDB storage, and CI/CD deployment on Vercel.

Skills & Tools:

Frontend: React, Next.js, Tailwind, ShadCN UI, Streamlit.
Backend: ASP .NET MVC, Node.js, LangChain (RAG Pipelines, AI Integration), n8n (AI workflows & automation).
Databases: PostgreSQL, MongoDB, MySQL, Supabase, Vector Databases (Milvus, ChromaDB, FAISS).
Languages: C++, C#, Python, JavaScript, Java, SQL.
Tools/Cloud: Git/GitHub, Vercel, Cloudinary, Windsurf, MS Visual Studio, VS Code.