

Sayam Khan

AI Engineer & Software Builder

seyamkhan1141@gmail.com · Timergara, Dir Lower, Pakistan · github.com/sayamkhan-dev · linkedin.com/in/sayam-khan-1b8a75398

I build and ship complete products on my own — AI pipelines, web and 3D web applications, desktop tools and storefronts. Six of them, taken from problem to running software: architecture, data models, APIs, interface and deploy, with nobody to hand the hard parts to. I own projects end to end rather than a slice of one.

WHAT I DO

AI systems & pipelines	LLM-backed generation pipelines, speech synthesis, computer-vision preprocessing, and the plumbing that makes them run at volume.
Web & 3D web applications	Production Next.js and React front ends, plus real-time 3D built on WebGL — scroll-driven camera systems, video textures, custom shaders and postprocessing.
Products & internal tools	Full stacks end to end: storefronts with payments, management suites, desktop applications and developer tooling.
Project ownership	Scoping, formal specification, architecture decisions, test coverage and delivery — including work delivered against a written SRS.

SELECTED PROJECTS

ConceptVerse 3D interactive educational platform

Next.js · React Three Fiber · TypeScript

- Built an interactive 3D platform for concepts that are hard to visualise in traditional teaching.
- Clean Architecture with a curated 3D asset pipeline; first milestone shipped with 32 tests.

Viralo AI faceless content generation SaaS

Next.js · FastAPI · Groq/Llama · Edge-TTS

- Automated video content production, which is otherwise expensive to produce at volume.
- Built the generation pipeline on Groq/Llama with Edge-TTS synthesis, priced in PKR for the local market.

Scriptura Handwriting to custom font engine

Python · OpenCV · OpenType

- Turns handwriting into a usable digital asset — a real typeface rather than an image.
- Full OpenType pipeline: glyph extraction, vectorisation, and GSUB/GPOS table generation.

CivicWatch Rural infrastructure monitoring system

C# · WPF · PostgreSQL · EF Core

- Maintenance and complaints were tracked separately with no link between them.
- Implemented bidirectional auto-cascade between modules; delivered against a formal SRS.

Real Estate Management Suite Property, tenant and maintenance management

React · Node · PostgreSQL

- Replaced separate spreadsheets for listings, tenants and maintenance with one system.
- Designed for small agencies to run their whole operation end to end.

SymoStore E-commerce platform for football jerseys

Next.js · Stripe · PostgreSQL

- Built a dedicated storefront for a market with no trustworthy option.
- Catalog, sizing and checkout with payment integration, built for the local market.

TECHNICAL SKILLS

AI & pipelines	Python, FastAPI, Groq/Llama, Edge-TTS, OpenCV, OpenType (GSUB/GPOS)
Frontend	Next.js, React, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3
3D & creative tech	React Three Fiber, Three.js, WebGL, GSAP, Lenis, postprocessing
Backend & infra	C# / .NET, WPF, Node.js, Flask, PHP, PostgreSQL, MySQL, EF Core, SQLAlchemy, Stripe
Languages	Python, TypeScript/JavaScript, C#, Java, C, PHP, SQL
Practices	Clean Architecture, OOP, data structures & algorithms, REST APIs, automated testing, formal SRS, project management

EDUCATION & OTHER

BS Computer Science

COMSATS University Islamabad, Abbottabad Campus
Expected 2028 · CGPA 3.08

Certification

AI for Beginners — HP LIFE

Languages

Pashto (native) · Urdu (proficient) · English (conversational)