

ZAIN ALI SHAH

WEB DEVELOPER & SOFTWARE ENGINEER

Karachi, Pakistan

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PROFESSIONAL SUMMARY

Creative and highly skilled Frontend Web Developer & Software Developer with expertise in responsive UI design, interactive web applications, and cross-platform software systems. Specializes in Next.js, React, Tailwind CSS, and C++/Python-based system programming. Passionate about building real-world solutions with voice features, animations, and modern UX/UI. Adept at deploying full-stack apps using Vercel, managing code via GitHub, and tracking analytics through Google Tools. Seeking an opportunity to apply development skills and grow in a professional software environment.

CORE SKILLS

- Languages: TypeScript, JavaScript, C++, Python
- Frameworks: Next.js 15, React, Tailwind CSS, Framer Motion
- Tools & Platforms: GitHub, VS Code, Vercel, Google Analytics, Dev C++
- Concepts: Responsive UI, Voice APIs, System Design, LocalStorage, Animations

WORK EXPERIENCE

Software & Web Developer (Project-Based)

Jun 2024 – Present

Karachi, Pakistan

- Built a multi-featured banking application in C++ with Python integration, winning regional coding competitions.
- Developed an AI-powered facial recognition system that acts as a secure unlock + assistant with voice/text control.
- Created a personal gaming hub using Next.js, featuring voice-enabled mini-games and leaderboard systems.
- Designed a fully functional 2D fighting game prototype with health systems, controls, and dynamic environments.
- Built and deployed a professional portfolio website to host and present all projects interactively.

ACHIEVEMENTS

1st Place – Karachi Regional Steam Festival 2025

- Developed a robust banking app in C++ with cross-language messaging features and real-world logic.

3rd Place – Karachi Steam Exhibition 2025

- Designed a complete Bank & ATM Management System in C++, file handling, and transactions.

EDUCATION

Intermediate in Computer Science (CS)

Pak Askari Intermediate College, Karachi

Sep 2024 - Present

Matriculation

Nishan-e-Haider Public School, Karachi

Aug 2022 - May 2024

Projects Mentioned below Page



PROJECTS

PROFESSIONAL-GRADE PROJECTS WITH LIVE DEMOS & CODE

REAL-TIME BANKING APPLICATION

- Award-winning banking system built with C++ & Python — includes voice assistant, loan system, ATM simulator, and WhatsApp alerts.
- C++, Python, Voice, File I/O

Github : <https://github.com/zainshah3464/Banking-Application-Public>

FACE-UNLOCK AI ASSISTANT

- Python-based assistant that unlocks only on user's face and responds to voice/text with automation and feedback.
- Python, OpenCV, Voice Assistant, Face Recognition

Github : <https://github.com/zainshah3464/face-unlock-ai-assistant>

ZAIN'S GAMING HUB

- Gaming platform using Next.js 15 — includes reflex games, UI effects, analytics, and voice feedback.
- Next.js 15, Tailwind CSS, Framer Motion, Voice API, Analytics

Github : <https://github.com/zainshah3464/Zains-gaming-hub>

live : <https://zain-gaming-hub.vercel.app>

STREET DUEL (PROTOTYPE)

- Fast-paced 2D fighting game with special moves and stage dynamics using Pygame and C++.
- Python, Pygame, C++

Github : <https://github.com/zainshah3464/street-duel-pygame>

PERSONAL PORTFOLIO WEBSITE

- This is my personal website built to showcase my projects, skills, and development journey in a clean, interactive, and professional format.
- Recruiters and collaborators can explore live project demos, view detailed descriptions, and gain insights into my technical stack, tools, and real-world experience.
- The site is fully responsive, animated, and deployed using Vercel. It reflects both my frontend expertise and design sense.

Live : <https://zain-main-web.vercel.app>

TECHNICAL SKILLS

- Frontend: React, Next.js 15, Tailwind CSS, Responsive Design, Motion Effects
 - Backend & Logic: Python scripting, C++ logic, OpenCV, File I/O operations
 - Development Tools: GitHub, Vercel, Visual Studio Code, DevTools
 - Other Tools: Google Analytics, SpeechSynthesis API, LocalStorage
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References available upon request