

Saqlain Abbas

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SUMMARY

A proactive Artificial Intelligence student with professional experience as a Full Stack and Desktop Engineer. Proven ability to build scalable web applications using React and Next.js, and high-performance desktop tools using Rust and Tauri. Experienced in fine-tuning LLMs, integrating diverse APIs, and building privacy-first AI solutions. Seeking to apply advanced AI and software engineering skills to innovative projects.

EDUCATION

National University of Technology (NUTECH) <i>Bachelor of Science in Artificial Intelligence</i>	Islamabad, Pakistan
Public School and College Skardu	<i>Aug 2023 – Present</i>
HSSC Computer Science	Skardu, Pakistan
	<i>Jun 2020 – May 2022</i>

EXPERIENCE

Upwork (Freelance) <i>Rust & Tauri Developer</i>	Remote <i>Nov 2025 – Present</i>
<ul style="list-style-type: none">Developing high-performance desktop applications and utilities using Rust and the Tauri framework.Building privacy-focused AI-integrated tools and system utilities for international clients.	
CCRIPT Agency <i>Full Stack Engineer</i>	Islamabad, Pakistan (Remote) <i>Aug 2025 – Dec 2025</i>
<ul style="list-style-type: none">Engineered robust web solutions using the Node.js and React ecosystem, handling UI components and server-side logic.Optimized frontend load times and backend API response rates to ensure high-speed performance.Designed efficient database schemas and integrated secure RESTful APIs to facilitate smooth data flow.Ensured code maintainability by following modular architecture and version control best practices.	
Neuralogic <i>Full Stack Engineer</i>	Dubai (Remote) <i>Aug 2025 – Dec 2025</i>
<ul style="list-style-type: none">Worked concurrently with CCRIP Agency (sister company) on a unified development team.Collaborated on backend architecture and API integrations to support scalable client solutions.Worked within an agile team to deliver high-quality code across both organizational divisions.	

TECHNICAL SKILLS

Languages: Rust, Python, JavaScript, TypeScript, SQL, R, Java, C++ (Foundational)

Frontend/Desktop: Tauri, React, Next.js, HTML5, CSS, TailwindCSS, Gradio

Backend: Node.js, Django, FastAPI, WebSocket, Windows API

AI/ML: LLM Fine-tuning, OpenAI API, Anthropic, Ollama, Deepgram, Piper, Whisper, RAG

Databases: PostgreSQL, Supabase, Firebase, SQL

Tools & Platforms: Git, GitHub, VS Code, Stripe, Twilio

PROJECTS

OmniRecall | *Tauri, Rust, AI (Gemini/OpenAI/Ollama), RAG*

- Developed a privacy-first desktop AI assistant featuring a "Spotlight-style" interface for instant global access.
- Engineered a multi-provider system supporting cloud and local models with secure, local-storage architecture.
- Implemented Retrieval-Augmented Generation (RAG) to enable context-aware interactions with local PDFs/code.

MarkLite | *Tauri, React, TypeScript, Rust*

- Built a distraction-free, cross-platform markdown editor using Tauri and React with live preview capabilities.
- Project Link: github.com/Razee4315/MarkLite

PortKiller | *Tauri, Rust, Preact*

- Built a fast Windows utility to visualize and kill processes blocking specific ports.
- Project Link: github.com/Razee4315/portkiller

ClipStream | *Rust, Windows API, Tauri*

- Created a lightweight, context-aware clipboard manager for Windows that feels native to the OS.
- Project Link: github.com/Razee4315/clipstream

Hill Icon Skardu | *React 19, TypeScript, Vite*

- Designed a responsive commercial website for a tourism agency with interactive WhatsApp booking integration.
- Project Link: hiliconskardu.com

Spartan | *Next.js, Supabase, Twilio, Deepgram, OpenAI API*

- Engineered a full-stack call agent application for real estate professionals to manage client interactions.
- Integrated Twilio for phone calls, Deepgram for transcription, and OpenAI for AI-driven suggestions.

Jessy AI | *Next.js, PostgreSQL, FastAPI, OpenAI API, Piper, Whisper*

- Developed a bespoke AI personal assistant and health monitor with voice-to-text/text-to-speech capabilities.
- Built a FastAPI backend with PostgreSQL and integrated OpenAI for conversational logic.

Pitch & Yaw Finder | *JavaScript, HTML5, CSS3*

- Developed an interactive tool to calculate spherical coordinates from equirectangular images using vanilla JS.
- Project Link: github.com/Razee4315/pitch-and-yaw-finder

NUTECH Virtual Tour | *React, JavaScript, 360° Media*

- Built an interactive campus tour using React and 360° media.