

# Saqlain Abbas

National University of Technology, Islamabad, Pakistan | +92-343-684-5475  
saqlainabbasf23@nutech.edu.pk | linkedin.com/in/saqlainrazee | github.com/Razee4315

## SUMMARY

A proactive Artificial Intelligence student with 2+ years of 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

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

## EXPERIENCE

<b>Upwork (Freelance)</b> <i>Rust &amp; Tauri Developer</i>	Remote <i>Nov 2025 – Present</i>
<ul style="list-style-type: none"><li>Developing high-performance desktop applications and utilities using Rust and the Tauri framework.</li><li>Building privacy-focused AI-integrated tools and system utilities for international clients.</li></ul>	
<b>CCRIPT Agency</b> <i>Full Stack Engineer</i>	Islamabad, Pakistan <i>Apr 2025 – Jul 2025</i>
<ul style="list-style-type: none"><li>Contributed to building scalable web applications and innovative solutions using React, Node.js, and TypeScript.</li></ul>	
<b>Neuralogic</b> <i>Full Stack Engineer</i>	Dubai (Remote) <i>Jan 2025 – Mar 2025</i>
<ul style="list-style-type: none"><li>Worked on full-stack projects focusing on modern technologies and best practices within an agile framework.</li></ul>	

## 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.

**PortKiller** | *Tauri, Rust, Preact*

- Built a fast Windows utility to visualize and kill processes blocking specific ports.
- Project Link: [github.com/Razee4315/portkiller](https://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](https://github.com/Razee4315/clipstream)

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

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

**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.

**DisasterConnect** | *Python, Django, React, WebSocket*

- Led development of a web platform for disaster response, featuring real-time communication and mapping.

**Nutech Chatbot Assistant** | *Python, LLM Fine-tuning, Gradio*

- Fine-tuned a Large Language Model on university data to create a custom chatbot, deployed with Gradio.