

# Saqlain Abbas

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## 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 Aug 2023 – Present
<b>Public School and College Skardu</b> <i>HSSC Computer Science</i>	Skardu, Pakistan Jun 2020 – May 2022

## EXPERIENCE

<b>Upwork (Freelance)</b> <i>Rust &amp; Tauri Developer</i>	Remote Nov 2025 – Present
<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 Apr 2025 – Jul 2025
<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) Jan 2025 – Mar 2025
<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

<b>OmniRecall</b>   <i>Tauri, Rust, AI (Gemini/OpenAI/Ollama), RAG</i> <ul style="list-style-type: none"><li>Developed a privacy-first desktop AI assistant featuring a "Spotlight-style" interface for instant global access.</li><li>Engineered a multi-provider system supporting cloud and local models with secure, local-storage architecture.</li><li>Implemented Retrieval-Augmented Generation (RAG) to enable context-aware interactions with local PDFs/code.</li></ul>
<b>PortKiller</b>   <i>Tauri, Rust, Preact</i> <ul style="list-style-type: none"><li>Built a fast Windows utility to visualize and kill processes blocking specific ports.</li><li>Project Link: <a href="https://github.com/Razee4315/portkiller">github.com/Razee4315/portkiller</a></li></ul>
<b>ClipStream</b>   <i>Rust, Windows API, Tauri</i> <ul style="list-style-type: none"><li>Created a lightweight, context-aware clipboard manager for Windows that feels native to the OS.</li><li>Project Link: <a href="https://github.com/Razee4315/clipstream">github.com/Razee4315/clipstream</a></li></ul>
<b>NUTECH Virtual Tour</b>   <i>React, JavaScript, 360° Media</i> <ul style="list-style-type: none"><li>Built an interactive campus tour using React and 360° media.</li></ul>
<b>Spartan</b>   <i>Next.js, Supabase, Twilio, Deepgram, OpenAI API</i> <ul style="list-style-type: none"><li>Engineered a full-stack call agent application for real estate professionals to manage client interactions.</li><li>Integrated Twilio for phone calls, Deepgram for transcription, and OpenAI for AI-driven suggestions.</li></ul>
<b>Jessy AI</b>   <i>Next.js, PostgreSQL, FastAPI, OpenAI API, Piper, Whisper</i>

- 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.