

Saqlain Abbas

Islamabad, Pakistan | +92 311 9215509

saqlainabbasf23@nutech.edu.pk | razee4315.github.io/portfolio | linkedin.com/in/saqlainrazee | github.com/Razee4315

SUMMARY

Full Stack Engineer and final-year BS Artificial Intelligence student with 2+ years of experience shipping production software for international clients. Specializes in cross-platform desktop and mobile applications with Rust and Tauri, full stack web platforms with React, Next.js, and Node.js, and applied AI spanning RAG, voice agents, on-device LLM inference, and the Model Context Protocol. CTO and Co-founder of VIYLSA. Author of the first MCP server for NetLogo (published on PyPI) and creator of Paperling, an open-source markdown editor with 480+ GitHub stars and 8,200+ downloads.

EDUCATION

National University of Technology (NUTECH)
Bachelor of Science in Artificial Intelligence, Final Year
Public School and College Skardu
HSSC, Computer Science

Islamabad, Pakistan
Aug 2023 – Present
Skardu, Pakistan
Jun 2020 – May 2022

EXPERIENCE

VIYLSA
Chief Technology Officer & Co-founder

Islamabad, Pakistan
Apr 2026 – Present

- Co-founded and lead engineering for VIYLSA, a startup that turns physical venues into intelligent 360° virtual tours with a built-in AI guide.
- Shipped a bilingual AI guide (English and Urdu) trained on venue documents, plus visitor analytics and lead-capture dashboards in production for real venues.
- Own the full product stack (frontend, backend, database, AI integrations, DevOps) and set engineering standards: architecture, code review, hiring, and a weekly shipping cadence.

Habfract Ltd.
Full Stack Developer, Lead Engineer (Freelance)

Remote
Feb 2026 – Jun 2026

- Lead engineer on Agentiff Mobile, a cross-platform desktop and mobile application built on Tauri 2.0.
- Shipped features against weekly milestones, sharing Rust and TypeScript code across desktop and mobile targets with async, timezone-spanning communication.

Analyze Agency
Full Stack Engineer (Contract)

Remote
Jan 2026 – Apr 2026

- Built a native Windows screenshot-capture application from scratch in Tauri and Rust, covering capture, annotation, and sharing with sub-100ms capture-to-clipboard latency.
- Delivered signed installers, an auto-update channel, and full documentation within a three-month engagement.

Upwork
Rust & Tauri Developer (Freelance)

Remote
Nov 2025 – Present

- Build high-performance desktop applications and utilities with Rust and the Tauri framework for international clients.
- Ship privacy-focused, AI-integrated tools and system utilities end to end, from design through automated release pipelines.

CCRIPT Agency
Full Stack Engineer

Islamabad, Pakistan (Remote)
Aug 2025 – Dec 2025

- Owned end-to-end delivery of client web applications: database design, REST API layer, frontend, and deployment on the Node.js and React ecosystem.
- Cut page load times and bundle sizes by tuning the React/Next.js stack and lazy-loading non-critical routes.
- Integrated third-party auth, payments, and messaging services to replace manual workflows for agency clients.

Neuralogic
Full Stack Engineer

Dubai (Remote)
Aug 2025 – Dec 2025

- Designed REST APIs and integrated OpenAI LLM services into customer-facing product flows using FastAPI and PostgreSQL.
- Built reusable backend modules and delivered features across the full stack (Python services, React UIs, Postgres data layer) as part of a unified team spanning both organizations.

TECHNICAL SKILLS

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

Frontend/Desktop: Tauri 2.0, React, Next.js, Vite, TailwindCSS, HTML5, CSS, Gradio

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

AI/ML: Model Context Protocol (MCP), RAG, LLM Fine-tuning, On-device GGUF Inference, Candle, OpenAI API, Anthropic Claude, Google Gemini, Ollama, Whisper, Piper, Deepgram

Databases: PostgreSQL, Supabase, Firebase, SQLite

Tools & Platforms: Git, GitHub, GitHub Actions (CI/CD), Stripe, Twilio, PyPI Publishing

PROJECTS

Paperling | Tauri 2, Rust, React, TypeScript

480+ GitHub stars, 8,200+ downloads

- Built and maintain a no-setup markdown editor with live preview for math, chemistry, and Mermaid diagrams, shipped as 49 automated releases across Windows, macOS, and Linux through CI/CD.
- Launch posts on Reddit reached 500K+ combined views and grew an active open-source contributor and user community.
- Built a bring-your-own-model AI panel with document Q&A and an agent mode that proposes edits as inline accept/reject diffs over any OpenAI-compatible endpoint (OpenAI, Gemini, Ollama).
- Links: github.com/Razee4315/Paperling | razee4315.github.io/Paperling

NetLogo-MCP | Python, Model Context Protocol, NetLogo, JVM

Published on PyPI

- Designed and shipped the first MCP server for NetLogo, enabling AI assistants to create, run, and analyze agent-based models through natural conversation.
- Exposed 25+ tools covering simulation control, BehaviorSpace parameter sweeps, and headless or live-GUI execution; compatible with Claude, Cursor, Windsurf, and VS Code.
- Links: github.com/Razee4315/NetLogo-MCP | pypi.org/project/netlogo-mcp

Vuoom | Tauri 2, Rust, React, TypeScript, MCP

- Built a cinematic screen recorder for Windows with automatic zoom and cursor-follow effects, rendered natively in Rust for lightweight, high-quality output.
- Engineered an AI “Demo Director” layer over MCP that lets an AI assistant plan, direct, and automate demo recordings end to end.
- Project Link: github.com/Razee4315/Vuoom

Neurix | Tauri 2.0, Rust, Candle, React, GGUF

- Built an offline, on-device LLM app for Android and Windows that runs quantized models (0.5B to 3B) fully on-device with no cloud, account, or subscription.
- One of the first apps built on Tauri 2.0 mobile; Rust and Candle inference keep the installer under 15 MB before model downloads.
- Project Link: github.com/Razee4315/neurix

OmniRecall | Tauri, Rust, TypeScript, RAG

- Developed a privacy-first desktop AI assistant with a Spotlight-style interface for instant, cursor-based access.
- Engineered a multi-provider system (Gemini, OpenAI, Claude, Ollama) with Retrieval-Augmented Generation over local PDFs, notes, and code, stored fully locally.
- Project Link: github.com/Razee4315/omnirecall

Rasoi POS | Tauri 2, React, TypeScript, SQLite

Private client repo

- Designed, shipped, and actively maintain a fully offline desktop POS and accounting system in daily production use at a restaurant in Skardu.
- Automated releases with GitHub Actions, producing versioned signed installers on every push to main.