Muneer Alam

Creative systems engineer
muneer.alam320@gmail.com | Bengaluru, India
github.com/Muneer320 | linkedin.com/in/muneer320 | muneer320.tech

Profile

Muneer Alam (muneer320) is a self-taught programmer, ParaPixel DigiServices co-founder and computer science student at Scaler and BITS Pilani.

Education

Computer Science at Scaler School of Technology and B.Sc. Computer Science at BITS Pilani, pursued in parallel.
CGPA above 9.0 in both programmes, as of November 2026.

Technical skills

Languages: Python, JavaScript / TypeScript, Java, C / C++, Go, Swift, Rust, SQL
Backend & real-time: FastAPI, REST APIs, WebSockets, Node.js
Data: PostgreSQL, MongoDB, Redis, SQLite
Infrastructure & automation: Linux, Docker, GitHub Actions, systemd
Applied AI: LLM workflows, Structured artifacts, ONNX Runtime, Human review
Product interfaces: React, Next.js, React Native, CSS
Python is my strongest language. I also use JavaScript/TypeScript, Java, C/C++, Go, Swift and Rust, with depth varying by project. Backend APIs, databases, Linux, Docker, release automation and structured AI workflows.

Experience

Scaler AI Labs August — September 2026
QA intern · Human Data Team
- Reviewed AI-generated entity annotations, corrected missed entities and false positives, and supported data-quality workflows. The organization is now Evaratus.

Yugaantar · Scaler School of Technology September 2026 — present
Technical team core member
- Backend work on participant authentication, dashboard records and staff administration for the annual fest platform.

ParaPixel DigiServices April 2025 — present
Co-founder
- Co-founded a digital agency delivering websites, applications, CRMs and custom software. Work includes client requirements, architecture, deployment and ongoing maintenance.

Ascent · Scaler School of Technology March — May 2026
Technical team · backend and event operations
- Co-built backend foundations, admin/API workflows, caching and leaderboard behavior. The public implementation is now a historical archive.

Selected projects

safedump — Developer tooling Read case study
- A Python exception names the failing line. safedump keeps the runtime context that helps explain it: bounded variable snapshots, exception chains and thread state, saved locally for inspection after the process stops.
- Creator and maintainer, with community contributions preserved in the project history.

Published package · Python / JSON / Rich / GitHub Actions

Klicky — Native software Read case study
- Klicky turns physical keyboard events into sound. My Linux work follows the entire path from evdev input to cached PCM and the audio mixer, where a small software timing number can hide a much larger buffer delay.
- Linux input, audio buffering, normalization, service integration and packaging, building on Sauhard Gupta's original keyboard-sound daemon.

Linux release · Rust / evdev / Rodio / systemd

ReGit — Research tools Read case study
- ReGit separates a research team's live draft from the version worth citing. Immutable source files, collaborative editing, explicit commits and prose merges keep the path from a claim back to its evidence visible.
- Co-built with Amrit Kang at Gradient Rush Hackathon. My work includes deterministic sentence-level merging and integration across the shared research workspace.

Shipped · Python / FastAPI / TypeScript / SQLite

RhinoBox — Backend systems Read case study
- RhinoBox combines a file workspace with a Go service that inspects JSON structure and recommends SQL or document storage. Its most revealing details are the boundaries between a recommendation, a database write and a downloadable archive.
- Designed and implemented the NoSQL storage component: deciding which data suited document storage, how to structure it and how the application should store and handle it, within a team-built hackathon project.

Team prototype · Go / PostgreSQL / MongoDB / Docker