

PULKIT SARAF

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Full Stack & AI Engineer | Agentic AI, LLM/SLM Orchestration, RAG & Scalable Full-Stack Systems

PROFESSIONAL SUMMARY

Engineer focused on **agentic AI** and **scalable backend systems**, shipping autonomous agent pipelines, LLM/SLM-backed services, and distributed architectures from design through production. Active **CNCF** open-source contributor (Jaeger, Meshery, OpenFGA) and 10x hackathon winner who moves fluently across AI, backend, and system design.

EXPERIENCE

ArmorIQ.ai

Full Stack Developer, Aug 2026 - Present

Remote

Previously Intern, Feb - Aug 2026

- Architected a Turborepo monorepo (5 packages) with CI/CD parallel builds, reducing deployment time by 40% across frontend, backend, and tooling modules.
- Built **openclaw-detector** in Rust, a Linux/Unix compliance scanner posting structured results to REST APIs for real-time dashboard ingestion.
- Integrated external orchestration servers for automated AI-governance workflows with multi-service data pipelines. Built ArmorClaude/ArmorCodex plugins.

ao (aoagents)

Core Contributor

Bengaluru, India

May 2026 - Present

- Contributed to a desktop IDE with nearly 1,000 DAU and 10,000+ spawns/day; improved chat UI, system prompts and assigned-PR reviewer behavior.
- Cut telemetry costs \$500 to \$0/month by reducing events; used PostHog/Sentry and added session-log cost tracking.
- Reduced renderer-benchmarked received-text lag 93% (2,857 to 213 ms) via bounded event batching and incremental streaming.

PreciQube (IIT Madras Startup)

Full Stack Developer & Research Intern

Chennai, India

Nov 2025

- Built a research-grade 2D optics simulation platform with a cross-functional team (3 engineers, 5 physicists, 1 professor) that lets scientists and mathematicians model how light behaves under varying conditions, removing the need to build simulators from scratch and saving research time and compute; ray-tracing integration improved responsiveness by ~20%.
- Reviewed peer-reviewed literature on optical and light-propagation behavior and translated the governing physics (geometric-optics refraction and reflection, Snell's law, Fresnel equations) into the simulation engine for accurate, reproducible results.

Rabbit AI

AI Engineer & Technical Project Manager

Remote

Jun - Oct 2025

- Worked on small language models (SLMs), building and exposing client-facing REST APIs to integrate model inference into production workflows per client requirements.
- Co-developed the ML platform (TensorFlow, Scikit-learn) and owned end-to-end delivery across modeling, API, and team coordination, improving model accuracy by 20% and engagement by 30%.

TECHNICAL SKILLS

Languages: C++, Python, C, TypeScript, JavaScript, Rust, Go, SQL

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, TensorFlow, PyTorch, Scikit-learn, LangChain

Systems & Infrastructure: Linux/Unix, Docker, Git, GitHub Actions, CI/CD, Turborepo, Redis, PostgreSQL, MongoDB, REST APIs, GraphQL, WebSocket

Applied AI: LLM/SLM Applications, RAG, LangChain, Prompt Engineering, Conversational AI, NLP, Information Retrieval, Computer Vision (OpenCV), Vector Databases (pgvector)

Agentic Systems: AI Agents, Agentic Workflows, Multi-Agent Orchestration, Agent Observability, Token/Cost Tracking, Intent Validation & Guardrails

Systems & Scale: Distributed Systems, Microservices, Observability (Jaeger/OpenTelemetry), Event-Driven Pipelines

PROJECTS

LazyClip: Conversational Video Editor | TypeScript, React, Convex, FFmpeg

www.lazyclip.buzz

- Co-founded a conversational video editor that turns natural-language requests and YouTube sources into short-form videos.
- Built a Hermes-powered Telegram clipping workflow; web editor uses TypeScript/React, Convex job state and FFmpeg rendering.

agmonverse: AMM Strategy Prototype | Python, Solidity, LLMs

github.com/Pulkit7070/agmonverse

- Built an AI-powered AMM strategy prototype that generates adaptive Solidity fee policies to reduce liquidity-provider losses.
- Implemented a generate-validate-simulate loop that compares strategies against a baseline using loss-versus-rebalancing scorecards.

Blink AI: Multi-Tool Desktop Assistant | TypeScript, Electron, Deepgram

github.com/Pulkit7070/blink-ai

- Built a desktop AI assistant with real-time Deepgram speech transcription, screen OCR and 240+ external tool integrations.
- Used a plugin architecture and mobile-to-desktop command relay to route chat requests into tools and desktop workflows.

OPEN SOURCE

CNCF · Jaeger · Meshery · OpenFGA · Falco Playground

LFX Mentorship Applicant 2026

- 21+ PRs:** gRPC error handling, badger spanKind storage (resolved 8-yr TODO #1922), Postgres pool warmup latch, Docker CVE cleanup, CLI canonicalization, UI accessibility, schema automation.
- Applied to 3 LFX 2026 mentorships: Jaeger (AI Skills Framework), Meshery (AI Adapter), OpenFGA (Production Hardening).

Google Summer of Code 2026 | C2SI/CodeLabz, 4 PRs merged: MUI v5, Firestore notifications, RBAC, Vitest.

multigravity-pro (GitHub, 23 stars, 5 forks): CLI for unlimited IDE profiles; env isolation, templates, dashboard, export/import.

get-cooked (npm): AI agent token monitor (Claude Code, Cursor, Copilot); rate-limit alerts, reports.

openclaw-detector (Rust): open-source Unix/Linux compliance scanner with REST API reporting.

LEADERSHIP & ACHIEVEMENTS

GrowthX Buildathon Winner (Jul 2026): won \$5,800 in credits with LazyClip — YouTube link in Telegram to ready-to-post shorts — built on Nous Research's Hermes agent; 100+ signups on demo day.

10x National Hackathon Winner: 30+ hackathons; selected for ETHGlobal, ETH Mumbai, and the Algorand Ecosystem.

GSoC 2026 Contributor: C2SI/CodeLabz, 4 PRs merged pre-selection.

Technical Head, E-Cell R&D at VIPS: led startup incubation; pitched at Aarambh'26, IIT Delhi.

EDUCATION

Vivekananda Institute of Professional Studies (VIPS-TC), GGSIPU

New Delhi, India

B.Tech in Computer Science and Engineering (CGPA: 8.32/10)

Sep 2023 - 2027

Coursework: DSA, Operating Systems, Networks, DBMS, Distributed Systems, ML, Software Engineering