Sharvil Saxena

Technical founder · AI infrastructure · Agent systems
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Education

Purdue University — B.S. Computer Science *Expected May 2029*
Entered Aug. 2026 with 53 transfer credits; selected founder, Purdue HIVE Fall 2026 cohort.
Accepted to Microsoft for Startups (Aug. 2026); YC Startup School participant (July 2026).

Experience

SXNA Labs LLC — Founder & Engineer *2026–Present*

- Built and operated AI products spanning agent collaboration, campus assistants, and developer telemetry; owned engineering, deployment, monitoring, and client handoff.
- Delivered a four-month engineering retainer automating financial-services document workflows; helped build an audited access layer for approved models, tools, and internal knowledge.

Open-Source Contributions

AI Infrastructure — Upstream Contributor *2026*

- Six PRs merged across Hugging Face Transformers, LangChain, Qwen Code, VoxCPM, Hugging Face Hub, and the Model Context Protocol TypeScript SDK.
- Fixed streaming-tokenizer resolution in Transformers, infinite-loop risk in LangChain batching, and a prompt-typing defect exposed by restoring checks for three MCP SDK test packages.
- Four authored Hermes Agent commits landed on Nous Research's main branch through maintainer integration; credited in release tooling by co-founder Teknium.

Selected Products

ACRE — Human–Agent Collaboration *2026*
Built persistent multiplayer project islands with GitHub OAuth, repository imports, and shared Claude Code/Codex sessions. Production snapshot: 36 registered accounts and 14 islands (Sept. 2026).

SemDecide — Semantic Decisions for Unix & CI *2026*
Created an MIT-licensed Python CLI with typed predicates, choices, scores, and filters; explicit uncertainty handling and stable failure exit codes. 77 GitHub stars (Oct. 2026).

Rex — Source-Grounded Campus Assistant *2026*
Built and deployed a messaging assistant retrieving live official campus data; correctness gates reject stale or incomplete outputs and route to verified fallbacks. 133 passing tests at Sept. 2026 production verification.

burnlog — AI Coding Usage Telemetry *2026*
Published developer telemetry tooling with CLI, SDK, and MCP interfaces across coding tools and providers; 553 npm downloads in the month measured in Sept. 2026.

Honors, Research & Leadership

- USACO Platinum — 38th of 243 pre-college participants, 2026 Third Contest; two-time AIME qualifier.
- *Barren Explanations: A No-Go Theorem for Explainable Universal Quantum Classifiers* — abstract accepted, poster track, QCTiP 2026 at the University of Oxford; submitted unaffiliated in high school.
- Congressional App Challenge 2024 — 2nd place, KY-02, for Serenity, a mental-health app.
- Founded duPont Manual AI Club: 50+ members, 18-week AI/ML curriculum, sponsored hackathons. Lincoln–Douglas Debate Captain; competed at Harvard, Stanford, Yale, and Emory.

Technical Skills

Python, TypeScript/JavaScript, C++, Java, SQL · React, Next.js, Node.js, FastAPI, PostgreSQL
MCP, tool use, RAG, agent evaluation · Linux, Docker, systemd, Git, CI/CD, Vercel