Aadharsh Pannirselvam
resume@aadhar.sh · aadhar.sh/about · github.com/oddharsh · @oddhash

I am a lifelong technology obsessive with a history of testing and engaging with canary and homebrew software at the frontier; I bricked my parents' iPhone 3G on launch day, and then learned about iOS jailbreaking and tweaking, which exposed me to open source, cryptography, and Bitcoin, putting me onto much of the work I do today as an investor and researcher at Archetype. Somewhere in parallel, I got nerdsniped by chrome://flags and about:config on Chrome Canary and Firefox Nightly respectively, which put me onto Rust via the Servo efforts to rewrite Firefox, but only after I'd bricked my space-limited Mac by clearing what seemed like unnecessary 32-bit support files via a tool called Monolingual.

SKILLS, CURRENT PUZZLES, THINGS I'VE BEEN TAKING APART
TypeScript, Python, SQL, Software Factories · Minifiers, the AV2 media codec, Shared Compression Dictionaries, the Semantic Web, Cryptography and DACs and Tube Amplifiers

TINKERING AND BUILDING WITH TECHNOLOGY

Maintainer · aadhar.sh/lwe and aadhar.sh/garage **May 2026 – Present**
- Teach formal verification, audio hardware, and web image encoding via inline demos and pop quizzes on LWE pages
- Reverse-engineer technical blogs, web platform flags, and Cloudflare features, identifying downstream implications
- Co-solved Paradigm's Kryptos-style Vignere ciphers in a 20+ contributor collaborative repo by orchestrating the group's compute and agents with CI/CD and an autoresearch-style harness to identify and test solution ideas

Contributor · apple/container; cloudflare/workers-sdk; libjxl/jxl-rs; mdn/content **Jun 2026 – Present**
- Engaging in-person with cryptography auditors, engineering managers, and TPMs on the cultural and technical evolution of engineering, resulting in an early view into a future of lighter CI, heavier code review, and personal forks
- Designed a personal software factory, houseguest, for coding agents to fit my contributions to external repos, using learnings from technical conferences, APoSD, and publications and improving merge rate by ~20%
- Fixed the WebMCP standard on EmDash 1.2, a WordPress replacement, to make hosted content legible to AI agents
- Resolved workerd's zstd dropped dictionaries issue, leading to 21.9% off updates on static pages at ~0.2 ms CPU each

COMMUNICATING ABOUT AND ADVOCATING FOR TECHNOLOGY

Principal · Archetype **Oct 2023 – Present**
- Drive technical due diligence on advanced technologies, including parallel execution for distributed systems, eval design, model architectures, and audio processing for voice models, for investments in Turnkey, TACEO, and Hume AI
- Built Archie, Archetype's Slack agent, platform, and skills, on top of Paradigm Centaur and Kubernetes by standing up CI/CD, unifying databases, and streamlining context sharing firmwide as part of a mandate expansion
- Upstreamed issues, PRs, and RFCs to Centaur as it evolved, including PR #2169 to drop 16 RustCrypto packages
- Wrote a 3-part series on privacy-enhancing technologies (TEEs, MPC, FHE, obfuscation) that shaped the firm's applied-cryptography thesis

Analyst, Ventures Team · Galaxy **Summers 2022, 2023**
- Led diligence on Mysten's Series A by benchmarking Sui's Move-based state concurrency model against Solana's parallelism and consensus protocol, resulting in a liquid buy

EDUCATION

University of Chicago – A.B. Economics, minor in Data Science, 3.81 **June 2024**
Engineering, Technical Communication, and Digital Theory Coursework: Intro to Data Engineering; Intro to Machine Learning; Engineering Design Principles and Practice for Everyone; Academic and Professional Writing (The Little Red Schoolhouse); Social Theory for the Digital Age; Science, Culture, and Society in Western Civilization: The Scientific Revolution; Thinking About and Making Pictures; The Language of Deception and Humor
Applied Econ Activities: Governance Lead at ChicagoDAO; Instructor at Blockchain Chicago; Researcher at Oeconomica