

Rishabh Sai

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Education

Pennsylvania State University

B.Eng. in Artificial Intelligence

State College, PA

Expected May 2028

Indian Institute of Technology Madras

B.S. in Data Science

Remote

Expected May 2028

Experience

Cisco

Technical Intern – AI Infrastructure & Platform Systems

San Francisco, CA

Jun 2026 – Sep 2026

- Extended the production infrastructure simulator for **Cisco Nexus One – Hyperfabric** to emulate environmental and platform data across fabric switches, managed servers, and BMCs.
- Shipped runtime **dynamic port breakout** for the simulator's virtual dataplane via shadow-veth lanemap pre-seeding and a reconciling breakout watcher – restart-free sub-port bring-up at **0% forwarding loss**.
- Reduced the planned implementation timeline by **60%** by coordinating parallel AI-agent workstreams with collector-contract tests, end-to-end smoke validation, and engineering review.
- Designed and coordinated** delivery of generic-server support with **7 cross-functional engineers**, shipping Linux host profiles, containerd, Podman, K3s, nested runtime isolation, TPM, DMI/PCI fixtures, and ConnectX/BlueField NIC profiles.

Mashreq Bank

AI/LLM Intern

Dubai, UAE

Jun 2025 – Aug 2025

- Built **3 internal AI products** for code optimization, policy consistency, and document quality, improving enterprise review and compliance workflows.
- Launched a unified **MCP server** that standardized access to internal AI services and tools across teams.
- Built and deployed an intern operations portal (React, FastAPI, PostgreSQL) for onboarding, progress tracking, and manager visibility.

Nas Company

AI Summer Resident

Dubai, UAE

May 2025 – Jun 2025

- Selected as **1 of 11 residents** from **18,000+ applicants** for a global AI startup residency in Dubai.
- Built **Briefly**, a service that tracks creators' posts and updates and generates a weekly audience newsletter, while validating creator-economy startup ideas with engineers and founders.

Perplexity

Campus Partner – Product Growth & GTM

State College, PA

Jan 2025 – Dec 2025

- Built a campus UGC network and ran demos, classroom outreach, and social campaigns that drove **250+ monthly downloads** of Perplexity's Comet browser.

Selected Projects & Research

AI Research – LLM Systems & Medical Imaging

hf.co/rishabhsai | Cache Atlas | OCT Lab

- Implemented clean-room PyTorch primitives for MiniCache-style KV-cache compression with tests, benchmarks, and interactive research notes.
- Built a live retinal OCT demo pairing a pretrained classifier with **Grad-CAM++** interpretability for scan classification, region highlighting, and structured draft reports.

Atrax – Agent-Native Cloud Platform

atrax.run | (\$20K funding – AWS credits)

- Built an agent-native cloud from the ground up where coding agents deploy full applications end to end – instant deploys to stable public URLs with provisioned SQL databases and ordered migrations, all declared in one provider-neutral contract.
- Designed six modular products so every app and agent hosted on the cloud can talk to each other – shared identity and access control, scoped tool connections, a company-wide library agents reference while building, and lockfile-based drift detection.

NotionBench – Coding-Agent Benchmark

notionbench.rishabhsai.com

- Built an open-source (MIT) eval framework benchmarking **8 coding-agent configurations** across 38 developer-platform tasks – **890 program-graded rollouts** with execution tests, API-verified outcomes, and cost-performance analysis.

Shipped Products

pdfspacer.com | share-pen.com

- Grew PDFSpacer to **1,200+ monthly users**; built, **raised funding for**, and sold Share-Pen, an AI-in-the-loop writing platform.
- Scaled TrendFlip, an AI-assisted collectibles sourcing and pricing business, to **\$30K in annual revenue**.

Skills & Additional

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

Technologies: PyTorch, CUDA, FastAPI, React, Docker, PostgreSQL, Redis, Azure, Splunk, Git, Linux

Open Source: 40+ public repositories at github.com/rishabhsai – all projects listed above are open source

Recognition: 5x hackathon winner; 3x Jane Street puzzle solver; selected for YC Startup School

Interests: Golf, homelab and self-hosting, investing, Pokémon/TCG collecting, hiking