

SAKSHAM

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Agentic AI Developer: agent orchestration, tool interfaces, and evaluation.

EXPERIENCE

Software Engineer

Aug 2026 – Present

Grovio AI

Remote

Software Developer Intern

May 2026 – Aug 2026

- Built the product's core **LLM agent**, transforming natural-language briefs into multi-platform content campaigns with planning, tool execution, approval checkpoints, and scheduled publishing.
- Designed a **permission-scoped MCP tool layer**, isolating agent credentials and restricting each agent to explicitly authorized actions.
- Improved long-running agent reliability with **paginated tool responses and context-aware compaction**, reducing repeated searches and information loss from oversized tool outputs.
- Integrated **live web and first-party analytics data** and hardened agent execution against hallucinated links, unsupported tool capabilities, and provider rate limits.
- Enforced **tenant-level data isolation** through a centralized visibility model, eliminating cross-tenant read and write paths across the platform.

Data Science Intern

Jun 2025 – Aug 2025

S&P Global

Gurugram, India

- Extended a document relevancy pipeline to include ESG controversy reports, expanding classification coverage to new document categories and handling volumes of up to **4,000 documents per day**.
- Clustered multiple articles on the same controversy using semantic de-duplication, reducing redundancy and improving dataset quality; achieved near **0.95** precision and recall.
- Designed case-bundling logic that grouped related reports, improving analyst efficiency and usability.

Full Stack Engineer Intern

Jan 2025 – Apr 2025

HICODER Pvt. Ltd.

Remote

- Engineered an interactive candlestick charting system from scratch using Lightweight Charts, supporting Forex, Crypto, and Commodities data across multiple timeframes.
- Implemented 8+ technical indicators, trading strategies, and position-sizing visualizations on a unified chart.
- Optimized responsiveness with a callback-driven architecture, enabling real-time updates, strategy execution, and seamless platform integration.

PROJECTS

LiveGraph: Event-Sourced Runtime for Adaptive AI Agents

Jul 2026 – Present

Python, AsyncIO, Anthropic API, Starlette, SSE, Pytest

- Built an event-sourced agent runtime where planners stream graph mutations into a live workspace, allowing tool execution to begin before planning completes.
- Implemented deterministic replay and node-level failure repair: cancel only the failed node's downstream cone, preserve completed independent work, and re-plan from surviving results.
- Built a live SSE dashboard that projects the event log and visualizes concurrent execution, graph expansion, and targeted repair; verified the runtime with 55 tests.

Switchboard: Event-Driven Runtime for Autonomous Systems

Jul 2026 – Present

Python, AsyncIO, Discord API, GitHub Webhooks, SQLite, Docker

- Built an event-driven runtime that ingests GitHub and Discord activity and coordinates external effects exclusively through typed commands and actuators.
- Designed a replayable sense-decide-act pipeline over durable observation and command logs, isolating decision logic from direct network, clock, and storage access.
- Implemented GitHub and Discord adapters, scoped key-value state, retry and dead-letter handling, and a read-only operational dashboard that never exposes message payloads.

EDUCATION

Jaypee Institute of Information Technology

2022 – 2026

B.Tech in Computer Science and Engineering, CGPA: 8.3

Noida, India

TECHNICAL SKILLS

AI / Agents: LangGraph, LangChain, MCP (Model Context Protocol), tool calling, multi-agent orchestration, agent evaluation & benchmarking, RAG, vector retrieval, embeddings, FAISS, structured output, prompt caching, Anthropic API, Gemini, AWS Bedrock

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

Backend: FastAPI, AsyncIO, SSE / NDJSON streaming, event sourcing, REST APIs, microservices, React

Databases & Infra: PostgreSQL, Docker, AWS (CDK, ECS, S3, Secrets Manager), Git, Linux