

Akhil Thirunalveli

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EXPERIENCE

AI Engineer Intern

Jan 2026 – May 2026

Snorkel AI (*Remote*)

Redwood City, CA, United States

- Developed specialized training datasets and evaluation environments targeting frontier model failure modes, improving model reliability in adversarial and edge-case scenarios.
- Designed and evaluated 1,000+ task instances advancing Claude Sonnet in software engineering workflows specifically Git operations, pull request review, and repository issue resolution at scale.
- Built and tested autonomous AI agents capable of multi-step task execution across complex software engineering scenarios; identified and closed capability gaps in agent reasoning and tool use.

Software Development Engineer Intern

Oct – Dec 2024

State Bank of India Foundation

Mumbai, India

- Engineered an AI-assisted decision pipeline processing 200k+ applications, reducing turnaround time by 85% through automated multi-stage agentic workflows with rule-based scoring and validation layers.
- Built anomaly detection and failure triage systems to surface data inconsistencies, ensuring auditability.
- Designed scalable backend pipelines in Python and SQL with structured validation checkpoints, enabling reliable and debuggable outputs across 200k+ records.

PROJECTS

MockMate AI: Interview Copilot (Multi-Agent + RAG Pipelines)

2026

React, Node.js, FastAPI, LLM APIs, LangChain, Vector DB, WebRTC

- Architected a multi-agent interview platform where specialized agents handle question generation, real-time response evaluation, follow-up selection, and structured feedback deployed and serving live users.
- Engineered an agentic evaluation loop that scores candidate responses, identifies weak areas, and dynamically routes follow-up questions based on performance signals.
- Implemented AI guardrails and LLM failure recovery paths like hallucination detection, context-limit handling, fallback prompts to maintain reliability under production load.
- Developed session analytics and tracking pipelines supporting 50+ users and 113+ completed interviews.

WorkTickr: Workflow Automation Engine

2026

Node.js, SQLite, Python

- Shipped an offline-first workflow automation tool adopted by 80+ users; authored documentation enabling self-serve onboarding without direct support demonstrating end-to-end ownership from build to adoption.
- Optimized data processing pipelines achieving sub-300ms report generation across 8k+ records with structured validation layers ensuring output correctness and consistency.
- Designed automated reporting and delivery pipelines with explicit error handling and recovery logic also treated failure modes as first-class design concerns rather than edge cases.

SKILLS

Languages

Python, JavaScript, Go, SQL

Frameworks & APIs

Node.js, Express.js, React.js, Next.js, REST APIs

Cloud & Storage

AWS, Docker, Git, Linux, MongoDB, Firebase, Supabase

EDUCATION

Vellore Institute of Technology

2022 – 2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.65/10

LEADERSHIP & CO-CURRICULAR

Salesforces Agentblazer Champion 2026

March 2026

Non-Technical Lead, Google Developer Groups

2024 – Present

Led cross-functional execution of large-scale technical initiatives and developer community programs; coordinated multi-team workflows to ship events and programs on time.