

Samarth Aursang

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EDUCATION

Knox College

Galesburg, IL

B.S. in Computer Science; Second Major in Business and Management

Expected June 2029

- **Coursework:** Data Structures, Programming Languages, Statistics, Principles of Economics, Calculus, Interactive Design

EXPERIENCE

Platform Engineering Intern

June 2026 – Sep. 2026

Session AI

San Jose, CA (Remote)

- Diagnosed and fixed an event pipeline that had stopped delivering data; restored end-to-end flow from live sessions through Kafka and backend services to AWS S3
- Measured **1 min 49 sec** from session event to S3 file landing, within the system's built-in two-minute idle timeout
- Load-tested a burst of **1,000+ Kafka messages**; found no missing or duplicate records in the test
- Identified a Java concurrency defect that let **2 of 19 batches** exceed the configured 50-record size limit under eight consumer threads; worked on splitting fallback records within the limit
- Built fault-injection tests using **15 malformed payloads across eight failure types**; verified quarantine through a dead-letter queue without disrupting valid messages
- Documented pipeline troubleshooting and test results and prepared reliability fixes for engineering review

Student Worker, Office of Sustainability

Sep. 2026 – Present

Knox College

Galesburg, IL

- Support farm maintenance and harvesting; communicate tasks to student volunteers so work finishes safely and on time

Educational Video Content Creator

Apr. 2023 – Present

YouTube

Galesburg, IL

- Plan, script, edit, and publish student-focused videos; produced **20+ videos** and grew the channel to **3,500+ subscribers, 450K+ lifetime views, and 5.7M+ impressions**
- Use audience data to improve topics, titles, thumbnails, scheduling, and engagement

Community Moderator

Nov. 2025 – Present

Fizz

Remote

- Reviewed and resolved **30+ reported issues** by applying written guidelines, documenting decisions, and communicating clearly

PROJECTS & LEADERSHIP

Swible

Ongoing

React, Next.js, Firebase

Student Social Platform

- Developing a full-stack student social platform with interest-based matching using cosine similarity to rank user compatibility

Co-Founder & Team Leader, EcoHub

Dec. 2022 – Feb. 2024

Environmental Initiative

Kalaburagi, India

- Led a **12-member** team, organized planting drives, and used GIS tools to identify locations; contributed to planting **60+ trees**

SKILLS

Languages & Web: Java, Python, SQL, JavaScript, React, Next.js, Firebase

Engineering & Data: Spring Boot, Kafka, Maven, Docker, Git, AWS S3, Parquet, DuckDB, PyArrow, Boto3, testing, troubleshooting

Business & Productivity: Excel, Google Sheets, Microsoft 365, Google Workspace, data review, research, reporting, documentation

Content & Collaboration: DaVinci Resolve, CapCut, Canva, YouTube Studio, audience analytics, writing, team coordination