

MIT SHAH

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EDUCATION

SVKM's Dwarkadas J. Sanghvi College of Engineering (Mumbai University)

June 2023 - June 2026

B.Tech. in Computer Engineering

CGPA: 9.08/10

EXPERIENCE

Atlan - Software Engineer I

July 2026 - Present

Associate Software Engineer Intern

Nov 2025 - June 2026

- Migrated metadata **ingestion, parsing and lineage pipelines** from **Argo Workflows** to **Temporal**, lifting reliability SLA from **98% to 99.5%** and cutting **10M-asset BigQuery crawl** from **12h to 3h**, using **Python and Go**.
- Built and maintained connectors for **Snowflake, BigQuery, Databricks, dbt and MSSQL**, scaling to **100M+ assets** per run of metadata extraction, parsing and lineage generation using a **NetworkX** graph.
- Improved **lineage accuracy** (tracing how data flows between tables) for enterprise customers like **Mastercard and JPMorgan Chase** by enhancing the **SQLGlot** parser and building **cross-account lineage** over **50M+ queries**.
- Debugged and fixed **critical production bugs** in SQL parsing and cross-account resolution that caused wrong or missing lineage, keeping the **impact analysis** customers rely on accurate.
- Worked on **KEDA** autoscaling on **Temporal queue backlog** and **VPA** right-sizing for **connector workers**.
- Built **SQL query redaction** in the ingestion pipeline, replacing literal values in **10M+ queries** with placeholders in **memory before storage**, so sensitive data is not persisted and **lineage stays intact**.

FyreGig - Software Developer Intern | [Certificate](#) | [Project Link](#)

Jan 2025 - June 2025

- Built the **backend of a security research platform** serving **2K+ users** on the MERN stack, including a **Puppeteer scraping pipeline** that aggregates jobs from **20+ sites**.
- Built **secure APIs** with **Google OAuth, RBAC** and rate limiting, improved performance with **Redis caching** and database indexing, and covered them with **Jest** unit tests.

Sora Infotech - Software Developer Intern | [Play Store](#)

June 2024 - Dec 2024

- Built the **Node.js backend** (MySQL, Redis) for an attendance app with **1000+ active users**, covering attendance, notifications and push updates, plus a **Flutter** client with **facial recognition** and geofencing.

The Crazy Entrepreneur - Software Developer Intern | [Certificate](#)

June 2022 - Aug 2022

- Built an **ERP backend** (Node.js, MongoDB) with CSV import/export for campaign and payment management, implementing secure **payment processing**, monitoring and **automated settlement pipelines**.

TECHNICAL SKILLS

Programming Languages: Java, Golang, Python, JavaScript

Databases: PostgreSQL, MySQL, MongoDB, Redis, DuckDB

Backend & Frameworks: Gin, Node.js, Express.js, FastAPI, Next.js, Flutter, Kafka, Temporal, Argo Workflows

Cloud & DevOps: AWS (EC2, ECS, S3, RDS), GCP, Docker, Kubernetes, Grafana, k6

Tools & Libraries: Git, GitHub, Jest, Claude Code, SQLGlot, Apache PyArrow, Daft, Apache Avro

PROJECTS

Evently - Distributed Event Booking System | [GitHub](#) | [Demo](#)

Go, Gin, PostgreSQL, Redis, Apache Kafka, Docker

- Built a **distributed event booking backend** in **Go** supporting **thousands of concurrent requests** using **Redis seat holds, optimistic locking, and ACID transactions** to prevent race conditions and ticket overselling.
- Designed **Kafka based asynchronous workflows** for waitlists, notifications, and analytics using **Redis caching** and **Docker** to build scalable, low latency backend services.

AdTech Platform - Real-Time Bidding System | Client project

Go, PostgreSQL, Kafka, Redis, TimescaleDB, AWS

- Built a **real time bidding platform** supporting **5,000+ concurrent users**, featuring advertiser onboarding, audience targeting, and automated campaign optimization.
- Built the **auction pipeline** with **Kafka** producers and consumers for bid requests, auction results and completion, kept **campaign budgets in Redis** with atomic counters, and streamed **live campaign updates over SSE**.

ACHIEVEMENTS

- **Smart India Hackathon 2022** - National Winner [Certificate](#)
- **PICT Techfiesta 2024** - International Winner & Team Lead [Certificate](#)
- **6+ National Hackathon Wins** | **LeetCode:** 550+ solved | **Open Source:** [Apache Iggy](#), [DuckDB](#), [EMQX](#)