

SUNILKUMAR T

Computer Science Undergraduate | Backend & Distributed Systems
India | +91 9524802780 | sunildev777@gmail.com | [Github](#)

TECHNICAL PROFILE

Computer Science undergraduate with strong interest in backend engineering, distributed systems, and developer tooling. Built an event-driven developer telemetry and analytics platform using Node.js, AWS, Kafka, and graph databases, with hands-on experience in ingestion APIs, message-queue-based decoupling, stream processing, and data modeling. Seeking backend or systems-focused internship opportunities to apply these skills in real-world products.

RELEVANT PROJECTS

Activity Driven Knowledge- Graph

System design | Backend development | 09 December, 2025 – Present

- Built an event-driven developer telemetry and analytics platform capturing IDE, terminal, and workflow signals using Node.js, AWS, Kafka, SQS, and Neo4j.
- Designed scalable ingestion, queue-based decoupling, stream processing, and data pipelines for analytics and ML-ready datasets.
- Modeled a developer knowledge graph to trace relationships between files, commands, errors, and outcomes.

Vercel-Style Distributed Build & Deployment Platform

System design | Cloud & Devops | 02 November, 2025 – Present

- Implemented a distributed build and deployment system using Docker, Redis queues, AWS S3, EC2, and NGINX to automate frontend builds and delivery.

Scalable Websocket System

- Implemented a horizontally scalable real-time messaging system using multiple WebSocket servers synchronized through Redis Pub/Sub for cross-instance communication.

Distributed Code Compiler

- Built a microservice-based C and Python code compilation system using Redis queues, AWS S3, and worker services to process submissions asynchronously with status tracking.

SKILLS

Languages: JavaScript, TypeScript, Python, C
Backend: Node.js, Express.js, Fastify, Motia
Cloud: AWS (EC2, S3, Lambda, API Gateway, Elastic Search)
Messaging: Redis, Kafka, AWS SQS, Pub/Sub
Databases: PostgreSQL, Redis, Neo4j, MongoDB
DevOps: Docker, NGINX

EDUCATION

B.E. COMPUTER SCIENCE ENGINEERING – PSG COLLEGE OF TECHNOLOGY
EXPECTED GRADUATION: 2028