

Sourik Ghosh

Final Year (B.Tech)
Computer Science & Engineering
at Sister Nivedita University

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Links

Github: [sourikghosh](#)
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Education

2018-2022
B.TECH. IN CSE
Sister Nivedita University
(Techno India Group)
CGPA : 8.6/10(Expected)

2017-2018
AISSCE
Army Public School, BKP
Percentage: 82%

2014-2016
AISSE
Army Public School, BKP
CGPA: 9/10

Skills

OS
GNU/Linux, Windows
LANGUAGES
Golang, javascript, C/C++

TOOLS
openTelemetry, Jaeger
consul, nginx, NATS
prometheus, fluentD, argoCD
docker, kubernetes

DATABASES
Redis, PostgreSQL, MongoDB

OTHERS
Markdown, Git, DevOps

Coursework

Data Structures
Algorithm
Discrete Mathematics
Operating Systems
MySQL

Experience

FEB 2021 Winuall Backend Developer Intern

- Developed resilient and scalable micro-service using Golang with production-ready tracing, metrics and logging using Open-Telemetry and Prometheus.
- Developed major features release for the platform like coupon-system, live-class, and quiz which attracted more customers and hence increased 7.3% in total revenue.
- Involved in refactoring to more readable, clean, and testable architecture, Increased test coverage from 0 to 60 %.

Golang, PostgreSQL, MongoDB, nginx-lua, Kubernetes, Javascript

Side Project

DEC 2021 NOTIF BACKEND
Distributed notification micro-service written in Golang leveraging nats jetstream with distributed tracing using open-Telemetry, B3 for propagation and jaeger to visualize.
[Project Link](#)

NOV 2021 APEX BACKEND
Apex uses Golang concurrency primitive to concurrently upload files from given directory and archives it to store in the ScyllaDB cluster using gRPC streaming.
[Project Link](#)

JAN 2020 HA Redis on Kubernetes CLOUD
Achieving redis replicaion and High Availabiliy on Kubernetes using statefulset and redis-sentinels.
[Project Link](#)

Achievements/Awards

SEPT 2020 Jatayu, Virtusa Grand Prize Winner
Proof of concept on the smart billboard with IOT based crowd detection. I have developed a real-time edge device agent to connect billboards with AI crowd detection backend using C++.

MAR 2020 Commhack, Kolkata Finalist
In this hackathon, I Developed a headless backend for an e-commerce solution using Golang and MongoDB with gRPC based inter-service communication.

Certification

2020-2021 Architecting with Google Kubernetes Engine Specialization
Involves building, scheduling, load balancing, and monitoring workloads, as well as providing for discovery of services, managing role-based access control and security, and providing persistent storage to these applications.
[Certification Link](#)

2020-2021 Cloud Architecture with Google Cloud Specialization
including infrastructure components such as networks, systems and applications services using Google Cloud Platform. [Certification Link](#)