

Sourik Ghosh

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

Mob: +91-8910156421
Email: sourikghosh31@gmail.com
Linkedin: Sourik Ghosh

Links

Github: [sourikghosh](#)
LinkedIn: [sourik-ghosh](#)

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

2021-NOW **Winuall** **Backend Developer Intern**
Worked on the marketplace platform on Kubernetes.
Developed resilient and scalable micro-service using Golang with production-ready tracing and logging using OpenTelemetry and Prometheus.
Involved in refactoring to more readable, clean, and testable architecture, Increased test coverage by unit test from 0 to 60
Golang, PostgreSQL, MongoDB, nginx-lua, Kubernetes, Javascript

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.

Side Project

2020-2021 **HA Redis on Kubernetes** **CLOUD**
Achieving redis replicaion and High Availabiliy on Kubernetes using statefulset and redis-sentinels.
Project Link

JAN 2020 **Node Js worker thread** **BACKEND**
Worker Thread implementation with all required workerOptions and also used MessagePort to communicate between two threads.
Project Link

2020-2021 **Small Projects**
Slack bot for current staging branch, Nginx-lua for decoding JWT fom headers,Web-socket using nodejs for real-time messaging.

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