

Soubhik Kumar Gon

Bhubaneswar,India · E-Mail · Github

Education

International Institute Of Information Technology, Bhubaneswar
B.Tech Information Technology | GPA: 8

Bhubaneswar,Odisha
Nov 2022 - Jul 2026

Delhi Public School Kalinga
GPA: 10 | ranked in the **top 2%** among **1.4 million** students in the examination.

Odisha
2010 - 2022

Experience

Hacktoberfest

Remote

Open Source Developer

Oct 2022

- Implemented **DockerFile configurations** for **NeoGPT** - A locally running **LLM** ,simplifying the setup process, ensuring **consistent environments**, and facilitating integration into various deployment environments.
- Worked on **Tsys Currency Unit Connector integration** in **Juspay-HyperSwitch**: A fast payments switch written in Rust.
- Added APIs to help upload multimedia Files to **AWS S3 Bucket** and retrieve them back using **Cloudfront CDN**, with added **Documentation**.
- Added language support for **Rust, Ruby, R** and **Golang** in **EasyFix**.

Google Developer Students Club

IIIT-Bhubaneswar

Associate, Web Development

Sep 2022 - Present

- Contributed in creating Website for **GDSC-IIIT Bh**.Actively participated in conducting informative sessions tailored for undergraduate students, offering assistance and fostering a supportive learning environment.

SKILLS

Languages: C, C++, Javascript, Typescript, Golang, Ruby, Python, Bash
Frontend: HTML, CSS, React.js, Next.js, EmbeddedJS, Redux.js, Zustand
Technologies: Node.js, Nest.js, Express.js, Flask, Mux,Docker,Apache Kafka,RabbitMQ
Data: ElasticSearch-Logstash-Kibana(ELK),Numpy, Pandas, Matplotlib
Cloud & Devops: AWS, Azure, GCP, Firebase,Github Actions
Database: MongoDB

PROJECTS

WatchDog Apache Kafka,ElasticSearch,Kibana,Bash,Golang

Source

A distributed fault tolerant **Server Monitoring Tool** written in **Golang** for maintaining vigilance and oversight over servers providing sysadmins with near real-time insights into server health and performance.

- Engineered a **fault-tolerant microservice** architecture for continuous **CPU health logging**, using **Apache Kafka-Zookeeper** for distributed monitoring.
- Implemented **automated alerts** via **SMTP** mails when predefined avg. CPU load thresholds are exceeded.
- Used **Protocol Buffers** for communication between Microservices, resulting in **55.769 % decrease** in network payload sizes per Publish/Subscribe Calls in comparison to traditional REST Calls.
- Designed a user-friendly **CLI tool** and **bash scripts** using **Golang & open-source frameworks** for easy setup.Also **Tested** responses to **CPU abnormalities** and **stress testing** with **10,000 cURL requests** to **Elastic Cloud** with **0 Failures**.

Tunescape Next.js,Node.js,Express.js,MongoDB,AWS,

Source | Link

A **Cloud Based** Music Streaming Web Application that allows anyone to push their favourite songs in **Public cloud** and and serve it to people in low latency.

- Refactored** the **Entire Client Code** from **EJS** to **Next.js** for better **compatibility** with **server side APIs** and used **Firebase** for Authentication.
- Wrote **server-side logics** to store raw music files efficiently in an **AWS S3 Bucket**, with corresponding references saved in **MongoDB**
- Utilized **AWS Cloudfront** as a **Content Delivery Network (CDN)** to ensure **low-latency delivery** of music files on user requests.

KoelCLI C,PortAudio,Javascript,Node.js,Linux,Bash

Source

A **Command Line Interface (CLI)** Tool to play Music using **Terminal** in **Debian OS**.

- Implemented **FFMPEG** and **Bash Scripts** which **decreased network consumption** by **40-60%** & **enhance sound quality**, **reduce lossy compressions** by converting **WAV** file from the fetched **MP3** using **YT-dLP** in the **Host's System**.
- Wrote an **Audio Playback Engine**, entirely in **C** that **consumes WAV** files and plays **low-latency Audio** using **PortAudio Library**.

HONORS

2nd position Winner : GfG x Geekathon Hackathon

Geeks for Geeks , D3 Fest

Collaborated with teammates to create a **web application** for developers to **share and write code** in a real time ,IDE Interface with Video Conferencing feature.

Oct 2023

1500+ Contributions

Github

Contributed to Open Source Projects like **Juspay,Palisadoes,OvenSH** and more by majorly by creating issues,PRs and consistently working on own projects.

Oct 2023