

# Soumyadip Mondal

Kolkata, West Bengal – India

✉ mandal.soumyadip9714@gmail.com

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in Soumyadip Mondal

## EDUCATION

### Sister Nivedita University

Bachelor of Technology in Computer Science and Engineering

GPA: 9.07

Kolkata, IN

Aug 2019 - Jun 2023 (Expected)

## KEY SKILLS

**Languages:** C/C++, Dart, JavaScript, Python

**Academics:** Data Structures and Algorithms, Operating Systems, Database Management System

**Frameworks:** Flutter, VueJS, Flask

**Cloud and DevOps:** Firebase, Heroku, Docker, GitHub Actions, Travis CI

**Misc.:** WebRTC, Foreign Function Interface (FFI)

## EXPERIENCE

### Dart Team, Google

Student Developer - Google Summer of Code 2021

Remote

May 2021 - Aug 2021

- Developing a cross platform HTTP package (at least **2 times faster** than the standard library) backed by **Chromium's network stack** (cronet).
- This will bring **HTTP/3 QUIC**, better caching, network switching etc.
- Learning about **native Dart runtime, streams, API Design** and improving my skills of writing cleaner code and documentation.

### Sister Nivedita University

Contest Platform Developer

Kolkata, IN

May 2020

- Created a coding contest platform including **automatic judge system** and **real-time leader board** using **Firebase** within **2 weeks and zero budget**.

## PROJECTS

### Cronet HTTP Package

May 2021 - Aug 2021

- Robust, platform agnostic **HTTP package** build for Dart.
- More than **2 times faster** than the Dart standard library.
- Worked with **Chrome's and Dart Virtual Machine's** internals to bind them together.
- Language: C, C++, Dart | [Source Code](#) | [Package](#) | [Technical Write-up](#)

### BitViz - Bitwise Visualizer

Oct 2019

- Visualizes** what happens in **bit level** when a mathematical operation is done and allows users to manipulate them.
- Created to assist my peers who faced difficulty gabbing a topic, bit manipulation, taught in my class.
- Language: JavaScript | [Source Code](#) | [Live Demo](#)

### AttnSheet - Attendance Manager

Feb 2020

- Cloud synced, server-less** attendance tracking and report generation platform built on top of Google Drive.
- Created to help my professors in **one-click report generation** as they spend a lot of time doing it manually.
- Language: JavaScript | [Source Code](#) | [Screenshots](#)

### PaperPlane - Video/Audio Chatting App

Jan 2021

- WebRTC** based video and audio chatting app without any intermediary server.
- Language: Dart (Flutter) | [Screenshots](#)

## AWARDS AND LEADERSHIPS

- Lead, Google Developer Student Clubs, SNU | 2021 - Present
- Global Top 20**, Google Code-In 2018 (nominated by: OpenWISP)
- Core Member, Technical Committee, Sister Nivedita University | 2020 - Present
- Been a public speaker in various events and taught 100+ of people.
- Been a question setter for 3 contests with 500+ participants hosted by Sister Nivedita University.