Samarpan Dutta

✉ samarpan_d@pp.iitr.ac.in

🌐 smrpn.github.io

🐦 twitter.com/__smrpn__

📄 stackoverflow.com/users/11572144/samarpan-dutta

📱 8273583189

in linkedin.com/in/smrpn

⚙ github.com/smrpn

Ⓜ medium.com/@samarpandutta2014

EDUCATION

B.Tech. Polymer Science and Engineering
Indian Institute of Technology, Roorkee

08/2019 - Present   *India*

WORK EXPERIENCE

SDE Intern
StormyApp

10/2020 - 01/2021   *Remote*
stormyapp.com

Achievements/Tasks

- Made the landing of StormyApp website from scratch.
- Used Nextjs to create a dashboard for users to view their build processes and logs.
- Worked on the stormy backend service (NodeJs) wherein I added the functionality of logging data about user's each session into the database.
- Managed the AWS dashboard of all the services(EBS, EC2, CodeBuild).

Full Stack Developer Intern
andwemet

02/2021 - 04/2021   *Remote*
andwemet.com

Achievements/Tasks

- Refactored the match filtering API from scratch improving performance by 8x.
- Integrated SMS API. Also wrote a scheduler to trigger SMSs for certain actions. Included DLT templates after the new law by TRAI.
- Integrated Google and Facebook authentication into the previous OTP login process.
- Setup CI/CD pipeline for automated deployments.
- Worked on notifications API on the backend.

SKILLS

Javascript/Typescipt   Rust   C++   Node

MongoDB   Mysql   Postgres   Express

Rocket   Actix   Tonic(gRPC)   Reactjs

Nextjs   Server Side Rendering   AWS

Docker   WebSockets   Benchmarking in Rust

Firebase   NGINX   HAProxy   PM2

PROJECTS

Crypto Estate
- This is a full-stack web application that allows landowners to buy and sell their real-estate properties using crypto-currency. This was the submission for a hackathon. Github repo link Video

Casbin-RS
- An authorization library that supports access control models like ACL, RBAC, ABAC in Rust. Github repo link

JSON-Adapter for Casbin-RS
- Json Adapter is a json adapter for Casbin-rs. With this library, Casbin can load policy from a json format file or save policy into it with fully asynchronous support. Github repo link

Covid-19 tracker
- covid19 tracker made using reactjs and chartjs and extracts data from https://covid19.mathdro.id/api
- Link, Code

INTERESTS

Backend Engineering   Distributed Systems

Authorization