

# NAVENDU DUARI

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## EXPERIENCE

### FlyBy

[letsflyby.com](https://letsflyby.com)

May 2020 – Present

*Member of Founding Team*

### Insticram Systems Pvt. Ltd.

[yoursown.com](https://yoursown.com)

January 2020 – May 2020

*Technical Developer (remote)*

## EDUCATION

**M. Sc. Computer Science** : Department of Computer Science, University of Delhi **(7.8)**  
August 2019 – Present

**B. Sc. Hons. Computer Science** : Asutosh College, University of Calcutta **(73.75%)**

**Higher Secondary** : Jodhpur Park Boys High School, Kolkata, West Bengal **(80%)**

**Secondary** : Sarisha R.K.M Sikshamandir, Sarisha, West Bengal **(87.14%)**

## TOOLKIT

**Adaptable** to new technologies with a good learning curve

**Programming Language** – Go, C++, TypeScript, JavaScript

**Web Development Technology** – Node.js, React.js, GraphQL, REST, Websocket

**Database Technology** – PostgreSQL, Cassandra, MongoDB, Redis

**CI/CD** – Gitlab runners, Docker deployments, Standard Test Integrations and reportings

**DevOps Technology** – Log management, Git, Docker, curl

**Others** – Vim, Git Flow, AWS, JWT

## SKILL

### Competitive Programming -

<https://leetcode.com/navenduduari/>

### Database Design for Practical Purpose

- Cost vs Performance Tradeoff
- Minimum Schema Change
- Scaling

### Web API Design

- Single CRUD and Bulk CRUD with eventual consistency
- Version Management
- Benchmarking
- Telemetry

### APM

- Log Collector (Fluentd)
- System Monitoring
- Event for Debugging

### Client Side Performance

- Re-definition of State Stores

## INTEREST

**Finance** – Learning and practicing to invest

**Sports** – School-level certificates holder for various sport events

**Cooking**

# PROJECT

## FlyBy

[letsflyby.com](https://letsflyby.com) -

<https://chrome.google.com/webstore/detail/flyby/mhnmggcnbmknogbhelbjdddfbilkon?hl=en-GB&authuser=3>

Flyby is a communication tool for teams which have short-lived sessions and enable communication over text, voice, video and screenshare

- Materialising graph in relational database for small to medium scale
- Clever database design to have almost all the queries run on index by managing consistency manually
- An infinitely scalable api server with socket services centralised removes load on caching layer
- Customised client side differ to reduce data transport between chrome extension runtime and browser page runtime
- A scalable logging infrastructure which also enables low scale app telemetry to reduce cost of infrastructure
- Basic incident reporting
- Various experience features(socket management, drag-n-drop image/link, link preview, copy message, minimize frame, chrome notification etc.)
- Chrome API, DynamoDB, REST, React.js, Jest.js, TypeScript

## Others

[github.com/NavenduDuari](https://github.com/NavenduDuari)

- **getblk** - Implementation of getblk algorithm in a multi-threading environment
- **fb-bot** - A simple Facebook bot using Puppeteer
- **gocoin** - A CLI that gives data of crypto-currencies
- **Basic blockchain implementations**

## YoursOwn

[yoursown.com](https://yoursown.com)

A small scale social network within college where students can get feed of peer activity, college news etc.

- Analyze and understand business and user requirements to create reliable and efficient database design models as well as write code to interact with databases
- Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
- CRUD operations, Document upload/download, Captcha generation, Real-time notification
- PostgreSQL, Cassandra, S3, GraphQL, Websocket, Redis, Go

## go-echo-blog

[github.com/NavenduDuari/go-echo-blog](https://github.com/NavenduDuari/go-echo-blog)

- CRUD application
- Signup/Login(password/OTP)
- JWT authentication
- PostgreSQL, SNS, REST(echo), Go

## goinfo

[github.com/NavenduDuari/goinfo](https://github.com/NavenduDuari/goinfo)

- Experience CLI through WhatsApp (Basic application for programmed WhatsApp communication)
- *crypto* – gives prices of crypto-currencies
- *covid* – covid19 tracker for India
- *gogit* – gives basic insights of Github profile
- Go, various APIs

## LifeLine

[life-line-demo.herokuapp.com](https://life-line-demo.herokuapp.com)

- Blood donor information app
- MongoDB, REST, Node.js, React.js, Redux.js