

# SHREYANSH SHREY

SOFTWARE DEVELOPER

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Ranchi, JH

## PROJECTS

### GREEN MILE

04/2020 - 06/2020

<https://github.com/shreyshreyansh/GreenMile>

**Green Mile** is a **smart waste management system** which gives the **garbage truck drivers** an **optimized path** through all the **dustbin** around the city which are **60% or above filled** or **hasn't been picked up in 3 days**.

**Technology stack** → Node.js, Express.js, MongoDB, Google Map Apis, NodeMcu, HC-SR04, Thingspeak Cloud

### PEER CODER

04/2021 - 05/2021

<https://github.com/shreyshreyansh/Peer-Coder>

**Peer coder** is an **online code editor** for interviews, troubleshooting, teaching and more. It allows **real time code syncing among peers**, **executes codes in Java, Python, C++, C**, and does **real time video and audio call**. It is **ideal for Online Interviewing** of Developers as well as **Learning to code from Friends**.

**Technology stack** → React.js, Node.js, Express.js, peerjs, socket.io, webrtc

### SMART WATER

02/2021 - 03/2021

<https://github.com/shreyshreyansh/Smart-Water>

A **smart water meter** which tells the **user** about their **monthly water consumption** and **generates billing accordingly** and has an **email alert feature** to **notify the user about water wastage**.

**Technology stack** → Node.js, Express.js, Chart.js, MongoDB, NodeMcu, YF-S201 sensor, Adafruit oled display, Thingspeak Cloud

## SKILLS AND ABILITIES

### Languages

Java | Javascript | C | SQL

### Technologies

React.js | Node.js | Express.js | Arduino | Nodemcu | HC-SR04 sensor | YF-S201 sensor | Thingspeak Cloud | Adafruit Oled display | Google Maps Apis | PeerJS | Socket.io | WebRTC

### Databases

MySQL | MongoDB | PostgreSQL

## WORK EXPERIENCE

### Backend Web Developer Intern

Frugal Labs Tech Solutions Pvt. Ltd. (05/2021 - Ongoing)

- Converted a **monolith** application to a **microservices-based** application
- Built the **MongoDB** and **PostgreSQL** database services for the application
- Implemented a **RabbitMQ** service for connection between **MQTT broker** and **MongoDB** database
- Implemented a token based authentication for the api services of the application using **JSON web token**
- Documented the api services for the application using **Swagger.io**

## EDUCATION

### Manipal University, Jaipur (2018 - Ongoing)

BTech, Computer Science (8.6/10 GPA)

### DAV Gandhinagar, Ranchi (2017)

Senior Secondary (XII), Science (91%)

### St. Thomas, Ranchi (2015)

Secondary (X) (89.2%)

## AWARDS & ACHIEVEMENTS

### Codechef Rating

**4 star** at codechef with max rating of **1879**

<https://www.codechef.com/users/cyberphobia>

### Codeforces Rating

**Specialist** at codeforces with max rating of **1493**

<https://codeforces.com/profile/cyberphobia>

### ACM ICPC 2020

Qualified for the **Kanpur - Mathura regional** rounds. Secured a **rank of 75/1203**.

[https://drive.google.com/file/d/1y\\_8OLRTa6bbXG0qyO8PgyIhtCyPfuiI-/view?usp=sharing](https://drive.google.com/file/d/1y_8OLRTa6bbXG0qyO8PgyIhtCyPfuiI-/view?usp=sharing)

### Smart Water Meter Patent

Filed a **patent** for my **Smart water meter** project

**Patent ID : P00000106**

### DCP'21

Contributed to **DevIncept's** 1 month intensive **Open Source** Contribution Program as a **Contributor**

<https://drive.google.com/file/d/1zCsG2pscbiX5flGGoHCczi7-61G2DnuA/view?usp=sharing>

### Learn IT Codethon

Secured **second** position out of **300+ students** in my college

<https://drive.google.com/file/d/1ow0yEhw77KdiuFCbr0WVulZWJg4funlg/view>