

# Harshit Pratap Singh

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## EDUCATION

### JSS ACADEMY OF TECHNICAL EDUCATION NOIDA

B.TECH IN INFORMATION TECHNOLOGY  
2019-2023 | Noida

## CODING PROFILE

Codechef:// [harshit\\_1010\(1605\)](#)  
Codeforces:// [harshit\\_1010\(1092\)](#)  
LeetCode:// [harshit\\_1010](#)  
Stopstalk:// [harshit\\_1010](#)

## SOCIAL LINKS

LinkedIn:// [harshit-pratap-singh](#)  
GitHub:// [Harshit-Pratap-Singh](#)

## COURSEWORK

### UNDERGRADUATE

- DBMS
- Operating Systems
- Web Technology
- OOPS
- Data Structures, Algorithms

## SKILLS

### PROFICIENT

- C/C++
- Data Structures, Algorithms
- Problem Solving

### HANDS-ON

- HTML
- CSS
- Javascript
- React.js
- React-Redux
- Node.js
- Express.js
- Web Socket
- WebRTC
- C++
- MongoDB
- Mongoose
- Docker
- Git
- Firebase
- Golang
- Redis
- Postgress

## WORK EXPERIENCE

### Kazam EV | BENGALURU | SDE-BACKEND

MARCH 2023 - PRESENT

- Automated key **data processing tasks** using **watchdogs** and **cronjobs**, ensuring system reliability and timely operations.
- Led the **implementation of a dynamic tariff system** for **EV charging stations**, integrating **time-of-day pricing**, **penalties**, and **tariff structures**, resulting in a **10% increase in CPO revenue**.
- Enhanced the **revenue management system** backend, streamlining transactions **from drivers to stakeholders**, contributing to **higher revenue** and **operational efficiency**.
- Created a **coupon system** to boost user engagement and revenue through **discounts and referral programs**. It allowed for targeted promotions, increasing app usage and customer loyalty.
- Developed a **subscription system** that offers users **flexible, cost-effective plans based on usage patterns**. This enhanced user convenience, improved billing processes, and supported recurring revenue growth.
- **Tech Stack:** Typescript, Node.js, Web Sockets, Golang, SvelteKit, TailwindCSS, MongoDB, Postgress, Redis.

### Markopolo.ai | U.S.A | BACKEND DEVELOPER INTERN ☞

JUNE 2022 - SEPTEMBER 2022

- Worked with various **ad integration**(Facebook , Google , TikTok , etc.) APIs.
- Worked on code migration from **Google Client Library** to **Google Ads Rest Interface**.
- Implemented different levels of hierarchy such as **Ad Campaigns, Adgroups, ads, etc.**
- Wrote technical documentation to support the Backend team.
- **Tech Stack:** Typescript, Node.js, Web Sockets, MongoDB.

### MAXTAP | BENGALURU | SOFTWARE ENGINEER INTERN ☞

FEB 2022 - APRIL 2022

- Implemented **in-feed video ads** for internal testing resulting in better product delivery.
- Successfully established **dashboard for content curators** for human filtering.
- Collaborated with developers, designers and other cross-functional teams.
- Provided input to leaders about the future development of new features.
- **Tech Stack:** Typescript, Node.js, Web Sockets, MongoDB, React.js.

## PROJECTS

### CRACKIT ☞

- Build an **Video Chat Application** for taking interviews with an **inbuilt online IDE** for running **JAVA , C++ , PYTHON** programs .
- It also has **inbuilt messaging** feature which is achieved by using **RTCDataChannel** for low latency messaging between the peers.
- **ReactJS** is used for **frontend** and **NodeJs** in the **backend**, for establishing **peer to peer** connection **WebRTC** and **socket.io** are used.

### ONLINE IDE ☞

- An **online IDE** for running **JAVA , C++ , PYTHON** programs.
- For **frontend** part **ReactJS** is used and in **backend NodeJS** in which **child-process exec()** is used to execute **shell commands** for compiling codes.
- **Docker** is used to make necessary compilers available to the backend.

### CRYPTO PRICE TRACKER ☞

- Build a website to show various crypto coins' current market price and show **BTC charts**(**Chart.js**) to understand more about the current market price of that crypto coin.
- Use **ReactJs** for frontend and **Axios** to retrieve data from an API.
- Implemented the **React Router DOM** to allow nested **RESTful** routing.