

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

- Developed and managed **microservices** for efficient data collection from **IoT-enabled AC chargers**, ensuring seamless **integration into the database**.
- Optimized **report generation** time by implementing advanced database querying techniques, resulting in **improved system performance** and faster data retrieval.
- Automated critical **data processing tasks** through the use of **watchdogs** and **cronjobs**, ensuring system reliability and timely execution of important operations.
- Led the **end-to-end implementation of a dynamic tariff system** for **EV charging stations**, seamlessly integrating **time-of-day pricing**, **penalty mechanisms**, and **diverse tariff structures**. This initiative not only optimized user experience but also resulted in a **10% increase in CPO revenue**, demonstrating a comprehensive understanding of revenue management within the EV charging ecosystem.
- Played a pivotal role in enhancing the **revenue management system** backend, facilitating smooth transactions **from drivers to various stakeholders**. Implemented a new payment structure, contributing to increased revenue streams and **operational efficiency** across the charging infrastructure.

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.

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.

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.

AMAZON CLONE ☞

- It's an **Amazon clone** with **basket**, **login**(using **Firebase**) **page**, **order listing**, **payment processing**(**Stripe**) , etc.
- Used **Firebase** for **Database** and **user authentication** .