

# Harshit Pratap Singh

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## EDUCATION

### JSS ACADEMY OF TECHNICAL EDUCATION NOIDA

B.TECH IN COMPUTER SCIENCE  
Expected July 2023 | Noida  
CGPA: 7.6

## CODING PROFILE

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

## WORK EXPERIENCE

### 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.

### COLLEGE WEBSITE | NOIDA | FRONTEND DEVELOPER ☞

NOV 2021 - JAN 2022

- Created website for college in collaboration with **Microsoft Innovation Lab**.
- Collaborate with the designers and other peer developers in creation of the components.
- Reduced page loading time by 65% by developing **ReactJs** application.
- Developed user interfaces with modern **Javascript frameworks, HTML5 and CSS** which improved user satisfaction.
- Used **git** and **GitHub** to distribute and backup code.

## 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.

### VIDEO CHAT APPLICATION ☞

- A video chat application made using **Websockets** and **WebRTC**.
- In a room two users can have a video call with a **end call button** and can **mute audio and video**.

### 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** .