

# Pushpander Singh Tanwar

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## EDUCATION

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2019 - 2023 B.Tech at **Guru Gobind Singh Indraprastha University, Delhi**

(Grade: 8.497)

## SKILLS

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Programming Languages : **C++, Java, JavaScript, TypeScript**  
Libraries & Frameworks : **nginx, Magento, NestJS, Express.js, Node.js, React.js, Bootstrap, TypeORM.**  
Databases : **MongoDB, MySQL, Redis(Remote Dictionary Server).**  
APIs : **REST APIs, GraphQL, Postman**

## WORK EXPERIENCE

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**Backend Developer Intern** | Prodo, Gurugram, Haryana

Dec 2022 - Present

- Developed and implemented the **API of the inventory section** of company's internal dashboard using **Node.js** environment and **NestJS** framework.
- Developed the API to **convert** an image(binary data), from a URL, to **base64** using **Arraybuffer**.
- **Automated** the **channel creation** in **Zoho Cliq**, which will be used to **solve the queries** of customers/manufacturers by the company's employees.
- **Reduced time** to read data from the APIs developed, by **40 to 60 percent**, by manipulating and **optimizing** data from the **REST APIs of Zoho** with the data from the database.
- **Configured Redis** cache in the application to **store the token** for a period of time and to re-use that, to **avoid new generation of token**, later **optimized** this and solved the problem without using cache.
- Technologies: **TypeScript, Node.js, npm, NestJS, MongoDB, TypeORM, Redis, Zoho REST APIs, Postman.**

**Software Development Engineer Intern** | Lokal, Delhi, India

Nov 2022 - Dec 2022

- Worked on the **API of the search screen section** of the LoKal Marketplace App.
- Used **TypeScript** programming language to develop the backend of the app and **defined the interfaces** for various functions.
- **Conceptualised** and **created a flexible cart system** in the app and **integrated respective queries** in the backend using **Magento's API**.
- **Integrated Razorpay** payment gateway in the Lokal Marketplace App.
- Technologies: **TypeScript, Node.js, Express.js, nginx, npm, GraphQL, Magento, MySQL, Postman API.**

## PROJECTS

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**Weather App**

[Link](#)

- A **full-stack weather application** to display the **current weather**, feels like weather and humidity of a **specific location**, by fetching the data from REST APIs.
- Used **Node.js** environment to **provide asynchronous functionality**(non-blocking I/O) to the app.
- Made **routes** using the **Express.js** framework and **defined dynamic functions** in the respective routes which are **linked to the Handlebars(hbs)** file.
- Used **positionstack API** for the coordinates and **forward geocoding** to display the location of the place in the query and **WeatherAPI** to fetch the weather of a coordinate which is given by the user.
- Tech Stacks Used -: **Handlebars(hbs), CSS, JavaScript, Node.js, Express.js, REST APIs, npm, Git** for version control, **Heroku** for deployment.

## ACHIEVEMENTS

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- Ranked **4888th** globally out of **23k+** participants in Google KickStart Round D 2022. [Link](#)
- Ranked **790th** globally out of **13k+** participants in CodeChef July Long one 2022. [Link](#)
- Ranked **4414th** globally out of **20k+** participants in CodeChef Starters 47- July2022. [Link](#)
- Participated in **Flipkart Grid 4.0-Software Development** Challenge 2022. [Link](#)