

PRASHANT SINGH HADA

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EDUCATION

Bachelor of Technology in Computer Science, ITM Gwalior
CGPA - 8.67

2020 - 2024

SKILLS

Programming Languages: TypeScript, JavaScript, C, C++
Frameworks & Technologies: Node.js, Websockets, AWS S3, AWS Location Service, Redis, Docker, Express.js, React.js, Framer Motion, Tailwind CSS, GSAP, SASS, CSS, Bootstrap
Databases: MySQL, MongoDB
Other Tools: Version Control, Git/GitHub, Linux, IDE

EXPERIENCE

Backend Engineer July 2024 - Present
Persistent Digital Commerce Pvt. Ltd. Gwalior, In

- Integrated **real-time events via WebSockets** for tracking delivery partner locations, optimizing **payment and order flows**, and reducing **operational costs by 20-40%**.
- Optimized **API performance** by improving query efficiency, reducing **latency by 50%**, leading to **faster response times** and a superior user experience.

Backend Developer Intern Nov 2023 - June 2024
Persistent Digital Commerce Pvt. Ltd. Gwalior, In

- Integrated **MSG91 SMS/OTP services** for multi-app authentication, improving **security and access efficiency by 30%**.
- Designed efficient data retrieval systems using **MongoDB Aggregation, Bulk Operations, and Indexing**, enhancing **query performance by 40-60%**.
- Implemented **clustering in Node.js** for **40% increased backend scalability** and deployed services on **AWS EC2 with PM2 and NginX**, maintaining **99.9% up-time**.
- Ensured reliable operations by implementing **MongoDB transactions with ACID properties**, while improving collaboration through **GitHub sub-modules** and key project contributions.

PROJECTS

Ochi-Design → Created a clone of **Ochi-Design Agency's** webpage, while exploring **React.js** and **Tailwind css**, along with that i have used **Framer Motion** and **GSAP** and **Locomotive** for **animations** and effects, that **enhances** user's experience. [[Repository](#) | [Active Link](#)]

Building a Git Version Control System → Implemented a custom version control system similar to Git by developing core commands from scratch to manage various types of Git objects efficiently. [[Repository](#)]

Duo-Studio → Created a clone of **Ochi-Design Agency's** stunning webpage, with the help of HTML, CSS and JavaScript. Explored web animation and gained hand-on experience with **GSAP** and **Locomotive.js**. The original website is no longer on the internet. [[Repository](#) | [Active Link](#)]

Real-Time Location Tracker → Implemented a real-time location tracking System in node.js and Express.js with the help of **web-sockets** and **Leaflet** which updates users location in real-time. [[Repository](#) | [Active Link](#)]