PRASHANT SINGH HADA

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WORK 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.

EDUCATION

Bachelor of Technology in Computer Science, ITM Gwalior — 2020 - 2024

- **CGPA** - 8.67
- **Courses**: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Cloud Computing, COA, Operating Systems, Machine Learning, Computer Networks, Cryptography & Information Security, Software Architecture, Data Analytics, and Big Data, .

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, PostgreSQL,
Other Tools:	Version Control, Git/GitHub, Linux, IDE

PROJECTS

Building a Git Version Control System :Developed a custom **version control system** similar to Git by creating core commands from scratch to manage various **Git object types** efficiently.   [Repository]

Ochi-Design :- Developed a clone of Ochi-Design Agency's webpage in **React.js** and **Tailwind CSS**, integrating advanced **animations** and effects with **Framer Motion**, **GSAP**, and **Locomotive** to enhance user experience. [Repository | Active Link]

Duo-Studio : Created a clone of **Duo Studio Design Agency's** webpage using **HTML, CSS, JavaScript, GSAP** and **Locomotive.js**.   [Repository | Active Link]

Real-Time Location Tracker :Implemented a **real-time location tracking system** in **Node.js** and **Express.js** using **WebSockets** and **Leaflet**, allowing real-time location updates for users. [Repository | Active Link]