

# PRASHANT SINGH HADA

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## WORK EXPERIENCE

<b>Backend Engineer</b> <i>Persistent Digital Commerce Pvt. Ltd.</i>	November 2023 - Present Gwalior, In
<ul style="list-style-type: none"><li>Integrated <b>real-time events via WebSockets</b> for tracking delivery partner locations, optimizing <b>payment and order flows</b>, and reducing <b>operational costs by 20-40%</b>.</li><li>Optimized <b>API performance</b> by improving query efficiency, reducing <b>latency by 50%</b>, leading to <b>faster response times</b> and a superior user experience.</li><li>Integrated <b>MSG91 SMS/OTP services</b> for multi-app authentication, improving <b>security and access efficiency by 30%</b>.</li><li>Designed efficient data retrieval systems using <b>MongoDB Aggregation, Bulk Operations, and Indexing</b>, enhancing <b>query performance by 40-60%</b>.</li><li>Implemented <b>clustering in Node.js</b> for <b>40% increased backend scalability</b> and deployed services on <b>AWS EC2 with PM2 and NginX</b>, maintaining <b>99.9% up-time</b>.</li><li>Ensured reliable operations by implementing <b>MongoDB transactions with ACID properties</b>, while improving collaboration through <b>GitHub sub-modules</b> and key project contributions.</li></ul>	

## EDUCATION

<b>Bachelor of Technology in Computer Science, ITM Gwalior</b>	2020 - 2024
<ul style="list-style-type: none"><li><b>CGPA</b> - 8.67</li><li><b>Courses:</b> Data Structures &amp; Algorithms, Object-Oriented Programming, Database Management Systems, Cloud Computing, COA, Operating Systems, Machine Learning, Computer Networks, Cryptography &amp; Information Security, Software Architecture, Data Analytics, and Big Data, .</li></ul>	

## SKILLS

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

## PROJECTS

<b>Notification Service (Microservice)</b> : Developed a Notification system <b>Micro service</b> that utilizes various notification channels ( <b>Email, SMS, Push notification</b> ). Used <b>Redis, Message Queue, Nodemailer, Fast2SMS, Firebase, PM2 and Docker</b> . <a href="#">[Repository]</a>
<b>Building a Git Version Control System</b> :Developed a custom <b>version control system</b> similar to Git by creating core commands from scratch to manage various <b>Git object types</b> efficiently using <b>Node.js</b> . <a href="#">[Repository]</a>
<b>Ochi-Design</b> :- Developed a look alike webpage of Ochi-Design Agency in <b>React.js</b> and <b>Tailwind CSS</b> , with a modern and stunning user interface. Integrating advanced <b>animations</b> and effects with <b>Framer Motion, GSAP</b> , and <b>Locomotive</b> to enhance user experience. <a href="#">[Repository]</a>   <a href="#">Active Link</a>
<b>Real-Time Location Tracker</b> :Implemented a <b>real-time location tracking system</b> in <b>Node.js</b> and <b>Express.js</b> using <b>WebSockets</b> and <b>Leaflet</b> , allowing real-time location updates for users. <a href="#">[Repository]</a>   <a href="#">Active Link</a>