

# Mayank Raj Singh

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## SUMMARY

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Computer Science undergraduate with strong problem-solving and analytical skills, experienced in designing end-to-end solutions for real-world business problems. Skilled at understanding requirements, translating customer needs into technical and business-friendly solutions, and collaborating with product and development teams. Highly interested in solution consulting and customer-facing roles that combine technology, communication, and value-driven sales.

## EDUCATION

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<b>Bachelor of Technology in Computer Science</b> , Vellore Institute of Technology	Sep '22 — Present India
<b>XIIth</b> , Gayatri Public School (GPA: 8.86)	Jul '20 — May '21 Agra, India
<b>Xth</b> , Gayatri Public School (GPA: 9.02)	Jul '18 — May '19 Agra, India

## EXPERIENCE

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Perfect Software Solutions Agra	Nov '24 — Jan '25
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- Completed a **10-week internship program** with exposure to the full software development lifecycle and real-world business workflows.
- Worked on **3+ mini-modules** involving frontend and backend development using HTML, CSS, JavaScript, Node.js, Express, and MySQL.
- Collaborated with a **4–5 member team**, participating in reviews and requirement clarification sessions.
- Improved application reliability by identifying and resolving **15+ bugs/issues** during testing and debugging.
- Supported version control and deployment activities using Git/GitHub, improving development efficiency and code organization.
- Practiced explaining technical concepts to peers and mentors, strengthening communication and solution presentation skills.

## PROJECTS

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<b>Hotel Booking Marketplace Web Application (Frontend)</b>	Aug '23 — Oct '23
<ul style="list-style-type: none"><li>Designed a customer-facing marketplace that allows <b>hotel owners to list their properties</b> and reach potential customers.</li><li>Built UI flows for hotel listing, discovery, and booking based on <b>user preferences such as location, price, and amenities</b>.</li><li>Improved page load performance and responsiveness through efficient UI rendering and component optimization.</li><li>Focused on creating a smooth onboarding experience for hotel owners, improving ease of listing and visibility.</li><li>Developed intuitive search and filtering interfaces to help users make faster booking decisions.</li><li>Structured the platform to support <b>50+ hotel listings</b> with responsive layouts optimized for desktop and mobile.</li><li>Applied business-oriented UI design principles to balance <b>owner visibility and customer conversion</b>.</li></ul>	
<b>Walmart Stock Management and Prediction System</b>	Jul '25 — Aug '25
<ul style="list-style-type: none"><li>Technologies Used: MySQL, Node.js ( backend), APIs (Weather and Festival), Frontend (HTML/CSS/JS.)</li><li>Designed and implemented a web-based inventory solution capable of managing <b>500+ product records</b> with real-time stock visibility.</li><li>Analyzed sales trends and external factors (weather and festival data) to generate <b>10–15% more accurate product demand recommendations</b>.</li><li>Reduced manual stock monitoring effort by <b>~30%</b> through automated low-stock alerts and dashboard insights..</li><li>Built a user-friendly dashboard that improved data visibility for non-technical users, enabling <b>faster decision-making by ~25%</b>.</li><li>Integrated multiple APIs with a MySQL backend, handling <b>1,000+ data entries</b> efficiently through optimized queries.</li></ul>	

## SKILLS

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**Programming Languages** Java, HTML/CSS

**Web Frameworks** Node.js, Express.js, Ejs, Bootstrap

**Development Tools** Git/GitHub, VS Code, IntelliJ, ChatGPT

**Databases** MySQL

**Additional Skills** Client-focused solution design, Presentation & explanation of technical concepts to non-technical users, Cross-team collaboration, Requirement gathering & problem analysis