Mayank Raj Singh

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SUMMARY

Computer Science undergraduate with strong problem-solving and analytical skills, experienced in designing end-to-end solutions for real-world business problems. Skilled in **requirement gathering**, **stakeholder communication**, and translating customer needs into **clear, value-driven technical and business solutions**. Experienced in collaborating with **sales, product, and development teams** to support solution planning and customer engagements. Highly interested in **presales, solution consulting, and customer-facing roles** that combine technology, communication, and business impact.

EDUCATION

Bachelor of Technology in Computer Science, Vellore Institute of Technology (GPA: 7.88)
Sep '22 — Present
India

XIIth, Gayatri Public School (GPA: 8.86)
Jul '20 — May '21
Agra, India

Xth, Gayatri Public School (GPA: 9.02)
Jul '18 — May '19
Agra, India

PROJECTS

Hotel Booking Marketplace Web Application (Frontend) — Aug '23 — Oct '23
- Designed a customer-facing marketplace that allows **hotel owners to list their properties** and reach potential customers.
- Built UI flows for hotel listing, discovery, and booking based on **user preferences such as location, price, and amenities**.
- Improved page load performance and responsiveness through efficient UI rendering and component optimization.
- Focused on creating a smooth onboarding experience for hotel owners, improving ease of listing and visibility.
- Developed intuitive search and filtering interfaces to help users make faster booking decisions.
- Structured the platform to support **50+ hotel listings** with responsive layouts optimized for desktop and mobile.
- Applied business-oriented UI design principles to balance **owner visibility and customer conversion**.

Walmart Stock Management and Prediction System — Jul '25 — Aug '25
- Designed and implemented a web-based inventory solution capable of managing **500+ product records** with real-time stock visibility.
- Analyzed sales trends and external factors (weather and festival data) to generate **10–15% more accurate product demand recommendations**.
- Reduced manual stock monitoring effort by **~30%** through automated low-stock alerts and dashboard insights..
- Built a user-friendly dashboard that improved data visibility for non-technical users, enabling **faster decision-making by ~25%**.
- Integrated multiple APIs with a MySQL backend, handling **1,000+ data entries** efficiently through optimized queries.

INTERNSHIP

Perfect Software Solutions — Nov '24 — Jan '25
Agra
- 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.

SKILLS

Programming Languages   Java
Tools   Excel, powerpoint, power BI, PPT
Additional Skills   Client-focused solution design, Presentation & explanation of technical concepts to non-technical users, Cross-team collaboration, Requirement gathering & problem analysis
Functional Skills   SaaS, CRM, SDLC, sales & marketing automation, cloud application fundamentals