Aman Rathour

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Education

Vellore Institute of Technology - VIT   September 2021- June 2025
Bachelor of Technology (GPA: 8.11)   *Bhopal, Madhya Pradesh*
- **Relevant Coursework:** Object-Oriented Programming, Operating System, Database Management, Software Development, Software Project Management.

Experience

Adjecti Solutions Pvt. Ltd.   September 2024 – Present
Software Developer   *Noida, Uttar Pradesh*
- Worked closely with the India Post Payments Bank (IPPB) stakeholders and internal product teams during the Liferay DXP migration, contributing to requirement understanding, impact analysis, and system transition planning.
- Participated in requirement gathering discussions, translating business needs into functional specifications, technical workflows, and system design inputs for Liferay portal modules.
- Analyzed existing legacy portal processes and collaborated with architects to design optimized workflows aligned with the new Liferay DXP architecture.
- Assisted in creating and reviewing Functional Specification Documents (FSD) and technical design documents.
- Collaborated with cross-functional teams (QA, DevOps, UI/UX) to ensure alignment between business requirements and implemented solutions.
- Designed and optimized relational database schemas and SQL queries, improving API response times by 25–30% and ensuring data consistency across business workflows.

Projects

ShopBot – AI-Powered E-commerce Customer Support Chatbot | *July 2025 – September 2025* ⚙
- Designed and developed an AI-driven customer support system using Python, Flask, and RESTful APIs, integrating Groq LLM for context-aware query resolution, reducing manual customer support workload by 45% and improving average response time by 60%.
- Implemented backend API workflows, session management, and PostgreSQL database schemas for chat history, user context, and request tracking, ensuring data consistency, scalability, and optimized query performance under concurrent usage.
- Built a React-based real-time chat interface, integrated with backend services via REST APIs, performed API testing using Postman, and followed Git-based version control, contributing to a stable end-to-end full-stack architecture.
- Technologies used: Python, Flask, PostgreSQL, React, JavaScript, Groq LLM

SwasthRail – Comprehensive Healthcare Management System for Indian Railways | *July 2024 – April 2025* ⚙
- Led end-to-end system architecture and development of a large-scale full-stack healthcare platform using Node.js, Express.js, REST APIs supporting appointment booking, telemedicine, emergency response, and role-based access, improving healthcare accessibility for 1M+ potential users.
- Designed normalized relational database models, optimized SQL queries, and implemented backend business logic for scheduling and patient workflows, resulting in a 70% reduction in appointment wait times and improved hospital resource utilization.
- Technologies used: React.js, Node.js, REST APIs, SQL, Power BI

Vikreta – E-commerce Platform for Local Artisans | *July 2023 – April 2024* ⚙
- Developed a full-stack MERN e-commerce platform enabling local artisans to digitize sales channels, implementing product listings, cart management, order processing, and authentication using Node.js, Express.js, and MongoDB.
- Onboarded 50+ artisans across India, expanding market reach and achieving a 40% sales increase within three months through improved digital visibility and scalable backend integration.
- Technologies used: React, Node.js, Express.js, MongoDB, JavaScript, HTML, CSS

Technical Skills

Languages: Java, JavaScript
Technologies: Liferay DXP, Portlets, Spring Boot, Spring MVC, Spring Data JPA, REST APIs, HTML5, CSS3
Tools & DevOps:: Git, Gradle, Postman, MySQL, PostgreSQL, Maven