

# AMAN RATHOUR

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## PROFESSIONAL SUMMARY

Full-stack software developer with expertise in Java Spring Boot backend development and Angular frontend technologies. Experienced in building scalable web applications with MySQL database integration, REST API development, and modern web frameworks. Proven track record in leading development teams and delivering enterprise-level solutions.

## TECHNICAL SKILLS

**Programming Languages:** Java, HTML5, CSS3, SQL

**Backend Technologies:** Spring Boot, Hibernate, Spring Data JPA, Spring MVC

**Frontend Technologies:** HTML, CSS, Angular, Responsive Design

**Database Technologies:** MySQL, JPQL, Database Design, Query Optimization

**Web Technologies:** REST APIs, JSON, HTTP, Web Services

**Development Tools:** VS Code, Eclipse, Postman, Git, Maven, Agile Methodology

## PROFESSIONAL EXPERIENCE

### Software Development Intern

Adjecti Solutions Pvt. Ltd., Noida | Jan 2025 – Present

- Developed full-stack web applications using Java Spring Boot framework for backend services and Angular for frontend development, implementing MVC architecture patterns, dependency injection, and RESTful API design in enterprise environments.
- Implemented CRUD operations and database integration using MySQL with Spring Data JPA, creating efficient data access layers, optimizing SQL queries, and ensuring data integrity across multiple modules.
- Built Employee Management System and Student Management System with end-to-end functionality, integrating Angular frontend with Spring Boot backend through REST APIs and JSON data exchange.

## KEY PROJECTS

### SwasthRail: A Comprehensive Healthcare Management System for Indian Railways | June 2024 – April 2025

- Railway employees and families faced significant healthcare access challenges including long waiting times, inefficient appointment booking, and lack of digital healthcare management systems at railway hospitals.
- Led 6-member development team to create comprehensive digital healthcare platform for Indian Railway Hospital system, coordinating frontend development while team members handled backend development and AI chatbot integration.
- Conducted field research at railway hospitals, surveying patients and staff to identify requirements. Developed appointment booking system, room booking functionality, emergency response system, and telemedicine capabilities using modern web technologies.
- Delivered fully functional healthcare platform reducing appointment booking time by 70%, improving patient satisfaction, and providing 24/7 healthcare access through telemedicine features for railway employees.

### Vikreta: E-Commerce Platform for Local Craftsmen | May 2023 – March 2024

- Local craftsmen and artisans lacked digital presence and online sales capabilities, limiting their market reach and business growth potential. Traditional offline sales methods restricted customer base to local geographical areas only.
- Assigned to develop comprehensive e-commerce platform bridging traditional craftsmanship with digital marketplace, creating online presence for local artisans and enabling them to reach broader customer base through web-based sales channels.
- Conducted extensive market research and user surveys to understand artisan needs and customer preferences. Developed responsive frontend interfaces with intuitive product catalog, shopping cart functionality, secure payment integration, and user-friendly navigation system.
- Successfully onboarded 50+ local artisans onto the platform, enabling them to showcase products digitally and reach customers beyond geographical limitations. Achieved 40% increase in artisan sales within first quarter of platform launch.

## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Vellore Institute of Technology, Bhopal | Aug 2021 – Sept 2025 | CGPA: 8.11/10

### The Aryan's School

Central Board of Secondary Education CBSE (Class XII) — Percentage: 84%  
April 2020 – May 2021 | Jhansi, India

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

Amazon Web Services | February 2024

### HackerRank SQL Certification

HackerRank | February 2023

## LEADERSHIP EXPERIENCE

### Internet of Things Club – Co-Founder & Vice President | August 2022 – October 2023

- University lacked an active technical community focused on emerging technologies and hands-on learning opportunities for students interested in Internet of Things, embedded systems, and modern technology applications.
- Co-founded and established Internet of Things Club to create a platform for technical learning, innovation, and skill development, serving as Vice President to build organizational structure and coordinate activities.
- Recruited and led high-energy technical team of 45+ core members and 200+ committee members, organized hands-on technical workshops, hackathons, coding competitions, and problem-solving events to foster learn-by-doing culture.
- Successfully established university's most active technical community with consistent student engagement, knowledge sharing sessions, and industry connections, significantly increasing technical awareness and practical skills among student body.