



Aman Rathour

Bachelor of Technology
Computer Science and Engineering
Vellore Institute of Technology, Bhopal

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EDUCATION

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|--------------------|---|-----------------|-----------|
| B.Tech. CSE | Vellore Institute of Technology, Bhopal | 8.11/10 | June 2025 |
| Senior Secondary | The Aryan's School, Jhansi | 84% | June 2021 |
| Secondary | Jai Academy, Jhansi | 80.82% | May 2019 |

EXPERIENCE

- Adjecti Solutions Pvt. Ltd.** Jan 2025 – Present
Software Developer Noida, India
 - Developing full-stack web applications using Spring Boot, leveraging MVC architecture, dependency injection, and RESTful API design.
 - Developed an AI-powered E-Commerce Customer Support Chatbot with FastAPI backend, React + TypeScript frontend, and Groq LLM for intelligent, context-aware responses.
 - Delivered a Client Management System with end-to-end functionality through JSON-based REST APIs.

PROJECTS

- ShopBot : An Integrated E-commerce Customer Support Chatbot** May 2025 – August 2025
Tools: Python, Flask, HTML, CSS, JavaScript, React, REST APIs, MongoDB, Git, Postman
 - Noticed frequent delays in resolving customer queries on e-commerce platforms, impacting user satisfaction and retention.
 - Built an intelligent chatbot to automate responses for order tracking, returns, and product FAQs, reducing dependency on manual support teams.
 - Designed and deployed a Flask-based backend integrated with NLP models and Dialogflow for intent recognition; connected MongoDB for storing order/customer data; implemented fallback escalation to human agents.
 - Automated 70% of customer queries, reduced average response time from 6 minutes to under 1 minute, and improved overall customer satisfaction scores by 35%.
- SwasthRail : Comprehensive Healthcare Management System** June 2024 – April 2025
Tools: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MySQL, Power BI
 - Led the architectural design and development of a healthcare system, coordinating a 5-member team.
 - Engineered and implemented a full-stack web platform integrating online doctor-patient appointment booking, emergency response, and telemedicine services.
 - Directed healthcare data analysis using SQL and Power BI to optimize hospital resource allocation and gain patient insights.
 - Designed intuitive portals for doctors and patients and created platform branding including the logo.
 - Launched the system, reducing appointment wait times by 70% and improving healthcare access for millions of Indian Railways employees and their families.
- Vikreta : E-Commerce Platform for Local Craftsmen** May 2023 – March 2024
Tools: HTML, CSS, JavaScript, MongoDB, Express.js, React, Node.js (MERN Stack)
 - Identified a market gap where local artisans lacked digital presence, limiting sales to local offline channels.
 - Led the development of a full-featured e-commerce platform bridging traditional craftsmanship with a digital marketplace.
 - Conducted user research and surveys to gather artisan and customer insights; built a responsive frontend with catalog, cart, and payment integration.
 - Onboarded 50+ artisans, enabling them to showcase products and accept orders online from across India.
 - Achieved a 40% increase in artisan sales within the first quarter post-launch by expanding reach and improving accessibility.

SKILLS

- **Programming Languages:** Java, SQL
- **Backend Technologies:** Spring Boot, Spring Data JPA, Spring MVC, REST APIs
- **Frontend Technologies:** HTML, CSS, Javascript, React, Angular 19
- **Soft Skills:** Team Leadership, Communication, Problem-Solving, Time Management, Adaptability

CERTIFICATIONS

- **Amazon Web Services**, [AWS Certified Cloud Practitioner](#) *Feb 2024*
- **HackerRank**, [SQL Certification \(Basic & Intermediate\)](#) *Feb 2023*

POSITIONS OF RESPONSIBILITY

- **Co-Founder & Vice President**, Internet of Things Club, VIT Bhopal *Aug 2022 – Oct 2023*
 - 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.
 - Built the organizational structure and led 45+ core members and 200+ volunteers across campus.
 - Organized workshops, hackathons, coding contests, and technical discussions to foster peer learning and innovation.
 - Established the university's most active technical community, improving tech awareness and upskilling hundreds of students.