

Aman Kumar

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PROFESSIONAL SUMMARY

Computer Science undergraduate with a strong foundation in data structures, SQL, and cloud technologies, and hands-on experience delivering small to medium-scale technology solutions. Adept at analyzing business problems, translating requirements into technical designs, and implementing scalable solutions using modern development practices. Proven ability to collaborate with cross-functional teams and communicate effectively in client-facing environments.

EDUCATION

Vellore Institute of Technology, Bhopal

Sep 2022 – Jun 2026

Bachelor of Technology in Computer Science and Engineering

Specialization: Cloud Computing and Automation

CGPA: 8.5/10

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Software Engineering, Operating Systems, Computer Networks, Cloud Computing

TECHNICAL SKILLS

Programming: Java, Python, JavaScript, SQL

Databases: PostgreSQL, MySQL, MongoDB (RDBMS concepts, queries, schema design)

Backend & APIs: RESTful APIs, Spring Boot, Authentication, Data validation

Analytics & Problem Solving: Algorithms, Data Structures, Business logic modeling

Cloud Platforms: AWS (EC2, S3, IAM), Supabase

Tools: Git, Postman, Docker, VS Code

WORK EXPERIENCE

Technology Intern – Full Stack Development

Apr 2025 – Jun 2025

Cyber Jagrithi and Safety Foundation, Remote

- Collaborated with stakeholders to understand functional requirements and translate them into technical solutions.
- Developed and enhanced web modules using Spring Boot and REST APIs to address real-world user needs.
- Analyzed data flows, application behavior, and edge cases to improve system reliability and usability.
- Worked in an agile setup with iterative reviews, testing, and documentation to ensure timely delivery.

PROJECTS

Tracklet — Smart E-commerce Price Tracker

2025

Next.js, TypeScript, Firecrawl, Supabase (PostgreSQL), Tailwind CSS, Resend | [Live](#) | [GitHub](#)

- Developed a full-stack price tracking platform that monitors products across multiple e-commerce websites.
- Used **Firecrawl API** to extract product prices, titles, and images from dynamic, JavaScript-heavy pages.
- Implemented scheduled price checks and history tracking using **Supabase pg_cron** and PostgreSQL.
- Built a responsive dashboard with **Next.js** and Tailwind CSS, including interactive price trend charts.

Invoice Generator Web App

2025

React.js, Spring Boot, MongoDB, Clerk Auth, Cloudinary, jsPDF + html2canvas | [Live](#) | [GitHub](#)

- Developed a production-grade invoice generation system enabling users to create, preview, and download PDF invoices.
- Implemented secure authentication with Clerk and persistent storage using MongoDB.
- Built backend services with Spring Boot for seamless CRUD operations and API integration.
- Deployed the full stack on AWS EC2 with Cloudinary for media management.

LEADERSHIP & COLLABORATION

Technical Lead – Fusion Club

May 2024 – Oct 2024

- Led cross-functional teams during workshops and hackathons, coordinating technical and non-technical members.
- Mentored peers in problem-solving, backend development, and cloud fundamentals.

ACHIEVEMENTS

- Solved 200+ problems across Data Structures and Algorithms on competitive platforms.
- Winner and podium finisher in state-level Mathematics and Computer Science Olympiads.
- Participant in national-level hackathons focused on technology-driven solutions.

CERTIFICATIONS

- Oracle Database @ AWS Certified Architect Professional – Oracle University
- AWS Educate – Introduction to Cloud 101
- AWS Educate – Introduction to Generative AI