

Aman Kumar

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EDUCATION

Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering

Sep 2022 – Jun 2026

Specialization: Cloud Computing and Automation

CGPA: 8.5/10

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

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, SQL

Java Development: Spring Boot, JDBC, JPA/Hibernate, Servlets, JSP, Java Security, Maven

Backend Development: RESTful APIs, JWT Authentication, Microservices Architecture

Database Management: MySQL, MongoDB, PostgreSQL

Cloud & AWS: EC2, S3, Lambda, Route 53, IAM

DevOps & Tools: Docker, Git, GitHub, Postman, VS Code, IntelliJ IDEA

WORK EXPERIENCE

Full Stack Developer Intern

Apr 2025 – Jun 2025

Cyber Jagrithi and Safety Foundation, Remote

- Developed and deployed 5+ interactive web modules on cyber safety using **Spring Boot (Java)** and React.js.
- Built a RESTful API backend handling 10K+ requests/month with Spring Data JPA and MySQL.
- Containerized and deployed modules using Docker and AWS EC2 for scalable delivery.
- Enhanced accessibility and responsiveness with Tailwind CSS, improving mobile user engagement by 60%.

PROJECTS

Invoice Generator Web App

2025

React.js, Spring Boot, MongoDB, Clerk Auth, Cloudinary, jsPDF + html2canvas | [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.

NetChat – TCP Socket-Based Chat Application

2024

Java, Java Swing, TCP Sockets, Apache Ant | [GitHub](#)

- Created a peer-to-peer chat application using Java TCP sockets with client-server architecture.
- Implemented multithreading for simultaneous communication and built GUI using Java Swing.
- Packaged as executable JAR using Apache Ant for deployment and local network communication.

E-commerce Price Tracker & Data Scraper

2024

TypeScript, Next.js, Tailwind CSS, MongoDB, Puppeteer, AWS EC2, S3, Lambda | [GitHub](#)

- Engineered a full-stack tracker monitoring 500+ e-commerce products using headless browser automation and MongoDB.
- Deployed serverless scraping functions using **AWS Lambda** with automated CloudWatch triggers.
- Hosted backend APIs on **AWS EC2** with product images stored on **Amazon S3**.
- Designed a responsive UI using Next.js and Tailwind CSS, providing real-time price change visualization.

LEADERSHIP & CO-CURRICULAR

Technical Lead & Core Team Member

May 2024 – Oct 2024

Fusion Club, VIT Bhopal

- Directed 3 workshops and 2 hackathons, increasing participation by 45% and managing logistics for 200+ attendees.
- Mentored juniors in Java backend development and AWS fundamentals.

ACHIEVEMENTS & AWARDS

- Achieved a **100 Days of Code Streak** on LeetCode and GeeksforGeeks, solving over 200 DSA problems.
- Participated in **Adobe x GFG Hackathon**, contributing to innovative cloud-based software prototypes.
- Secured **1st place** twice in Mathematics Olympiad (State Level) and **3rd place** in Computer Science Olympiad among 500+ peers.

CERTIFICATES

- Oracle Database@AWS Certified Architect Professional – Oracle University (Dec 2025) [[View Certificate](#)]
- AWS Educate Introduction to Cloud 101 – Amazon Web Services (Jul 2025) [[View Certificate](#)]
- AWS Educate Introduction to Generative AI – Amazon Web Services (Jul 2025) [[View Certificate](#)]
- Sparkathon 2025 Hackathon – Walmart (2025) [[View Certificate](#)]
- Alpha (DSA with Java) – Apna College (Nov 2024) [[View Certificate](#)]