

Aman Kumar

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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, Object-Oriented Programming, Operating Systems, Computer Networks, Cloud Computing, Software Engineering

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL

Frontend Development: HTML5, CSS3, React.js, Next.js, Tailwind CSS, jsPDF

Backend Development: Node.js, Express.js, Spring Boot, RESTful APIs, JWT Authentication, Clerk Authentication

Database Management: MongoDB, MySQL, PostgreSQL

Cloud & DevOps: AWS EC2, AWS S3, Cloudinary, Docker, CI/CD Pipelines

Development Tools: Git, GitHub, VS Code, Postman, npm, yarn

WORK EXPERIENCE

Full Stack Web Developer Intern

Apr 2025 – Jun 2025

Cyber Jagrithi and Safety Foundation, Remote

- Developed and deployed 5+ interactive web modules on cyber safety and digital literacy using the MERN stack, serving over 1,000 users.
- Architected a content management system for legal and educational resources, reducing content update time by 40%.
- Enhanced accessibility and responsiveness with Tailwind CSS, improving mobile user engagement by 60%.
- Collaborated cross-functionally using RESTful APIs and Git version control, streamlining integration and reducing delivery time by 25%.

PROJECTS

VIT ClubHub – Event Management System

2025

MERN Stack, React Router, Tailwind CSS, JWT, REST API | [GitHub](#)

- Built a dual-portal MERN application with secure JWT-based authentication for 500+ students and 20+ club administrators.
- Designed and integrated protected routing via React Router and modular REST APIs supporting 15+ club event operations.
- Crafted a mobile-first UI with Tailwind CSS, streamlining event management and reducing admin workload by 30%.

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, download (PDF), and email invoices.
- Integrated secure authentication via Clerk and implemented persistent storage with MongoDB for invoice management.
- Devised backend APIs in Spring Boot to ensure reliable CRUD operations and seamless data flow.
- Introduced Cloudinary for template storage and jsPDF + html2canvas for dynamic PDF generation and export.

E-commerce Price Tracker & Data Scraper

2024

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

- Engineered a full-stack tracker monitoring 500+ e-commerce products using headless browser automation and MongoDB price logs.
- Designed an intuitive UI with Next.js and Tailwind CSS, featuring real-time visualizations and automated price alerts.

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.

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 software prototypes and agile teamwork.
- Secured **1st place** twice in Mathematics Olympiad (State Level) and **3rd place** in Computer Science Olympiad among 500+ peers.

CERTIFICATES

- Sparkathon 2025 Hackathon** – Walmart (2025) [\[View Certificate\]](#)
- AWS Educate Introduction to Cloud 101** – Amazon Web Services (Jul 2025) [\[View badge\]](#)
- AWS Educate Introduction to Generative AI** – Amazon Web Services (Jul 2025) [\[View badge\]](#)
- HTML, CSS, and JavaScript for Web Development** – Coursera (Nov 2023) [\[View Certificate\]](#)
- Alpha (DSA with Java)** – Apna College (Nov 2024) [\[View Certificate\]](#)