

# 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: 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 | [Live](#) | [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%.

### Tracklet — Smart E-commerce Price Tracker

2025

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

- Developed a full-stack price tracking platform that monitors products across multiple e-commerce websites.
- Used **Firecrawls 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.

### Task Manager Web App

2025

React, Node.js, Express.js, MongoDB, JWT | [Live](#) | [GitHub](#)

- Built a full-stack task management application with secure user authentication and role-based access control.
- Designed and implemented JWT-protected REST APIs enabling complete CRUD operations on user tasks.
- Integrated MongoDB with optimized schema design to support 100+ concurrent users efficiently.
- Deployed frontend on **Vercel** and backend on **Render**, achieving 99.5% application uptime.

## 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

- Oracle Database@AWS Certified Architect Professional – Oracle University (Dec 2025) [[View Certificate](#)]
- HTML, CSS, and JavaScript for Web Development – Coursera (Nov 2023) [[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](#)]
- Sparkathon 2025 Hackathon – Walmart (2025) [[View Certificate](#)]