

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, JavaScript, Java, SQL

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

Backend Development: Node.js, Express.js, Python (Flask/Django), RESTful APIs, JWT Authentication

Database & Cloud: MongoDB, MySQL, PostgreSQL, AWS (EC2, S3), Cloudinary, Docker

Sales & Business: Market Research, Customer Segmentation, Data Analysis, Presentation Design

Tools: Git, GitHub, VS Code, Postman, n8n, npm, yarn, lovable.dev

WORK EXPERIENCE

Full Stack Web Developer Intern

Apr 2025 – Jun 2025

Cyber Jagrithi and Safety Foundation, Remote

- Developed 5+ educational modules using MERN stack for 1,000+ users in the digital literacy edtech space.
- Built content management system with RESTful APIs, reducing update time by 40% through strategic workflow design.
- Collaborated with cross-functional teams using Git, improving delivery efficiency and stakeholder communication.
- Enhanced platform accessibility with Tailwind CSS, boosting mobile engagement by 60% through user-centric design.
- Analyzed user metrics to optimize features, demonstrating data-driven decision making and customer focus.

PROJECTS

VIT ClubHub – Event Management System

2025

MERN Stack, React Router, Tailwind CSS, AWS amplify, JWT, REST API | GitHub

- Built dual-portal application serving 500+ students and 20+ administrators with secure JWT authentication.
- Designed user-centric interface with React Router, reducing admin workload by 30% through streamlined workflows.
- Gathered requirements from student organizations and translated feedback into actionable technical features.

Invoice Generator Web App

2025

React.js, Spring Boot, MongoDB, Clerk Auth, AWS S3, Cloudinary, jsPDF | GitHub

- Developed production-grade tool enabling users to create, preview, download, and email professional invoices.
- Integrated Clerk authentication and MongoDB for persistent storage, focusing on user retention and experience.
- Implemented Spring Boot APIs for reliable CRUD operations and integrated Cloudinary for scalable asset management.

E-commerce Price Tracker & Data Scraper

2024

Python, JavaScript, Next.js, MongoDB, Puppeteer, Tailwind CSS | GitHub

- Engineered tracker monitoring 500+ products with automated price alerts and market trend analysis capabilities.
- Designed intuitive UI with Next.js featuring real-time visualizations for consumer decision-making insights.

LEADERSHIP & CO-CURRICULAR

Technical Lead & Core Team Member

May 2024 – Oct 2024

Fusion Club, VIT Bhopal

- Led 3 workshops and 2 hackathons with strategic outreach, increasing participation by 45% across 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) [\[View Certificate\]](#)