







# SUMIT RAJ TIWARI

Bhopal, Madhya Pradesh

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## EDUCATION

<b>Vellore Institute of Technology</b> <i>Integrated MTech, Computer Science and Engineering</i>	<b>CGPA: 9.29/10</b>	<b>Expected May 2027</b> <i>Bhopal, Madhya Pradesh</i>
<b>Government Higher Secondary School, Shahdol</b> <i>12<sup>th</sup> Standard</i>	<b>Percentage: 94.20</b>	<b>May 2022</b> <i>Shahdol, Madhya Pradesh</i>
<b>Government Higher Secondary School, Shahdol</b> <i>10<sup>th</sup> Standard</i>	<b>Percentage: 95.25</b>	<b>May 2020</b> <i>Shahdol, Madhya Pradesh</i>

## TECHNICAL SKILLS

**Programming Languages:** Java, SQL, Python, JavaScript, HTML, CSS  
**Frameworks & Libraries:** React.js, Node.js, Express.js, Git  
**Cloud & Databases:** AWS, MongoDB, MySQL  
**Coursework:** Data Structure & Algorithms (DSA), Operating System (OS), Computer Network (CN), DBMS

## PROJECTS

### **CoreHR — Workforce Management Platform** | [MERN Stack](#) **December 2025**

- Engineered a production-ready workforce management platform with JWT-based authentication and role-based access control, supporting 100+ users.
- Developed 15+ RESTful APIs using Express.js with modular architecture, improving backend scalability and maintainability.
- Implemented real-time global state management using React Context API, reducing UI state inconsistencies by 30%.
- Deployed on Vercel & Render with optimized CORS, routing, and session handling, improving response time by 25%.

### **PublishPro — Content Management Platform** | [Full-Stack](#) **March 2025**

- Engineered a scalable full-stack content management platform using React.js and Appwrite with secure authentication, supporting 50+ active users.
- Integrated rich-text editing and media uploads, enabling creation of 200+ dynamic posts with responsive Tailwind CSS UI.
- Implemented Redux Toolkit state management and React Router for optimized rendering, reducing page load time by 30%.
- Designed modular frontend architecture, improving code reusability and maintainability across components.

### **CloudVault — Encrypted File Storage System** | [Backend, Cloud Storage](#) **May 2025**

- Engineered a secure cloud file storage system using Node.js, Express, MongoDB, and JWT authentication, handling 100+ file transactions.
- Integrated Multer and Cloudinary for optimized file uploads and retrieval, reducing processing latency by 25%.

## EXPERIENCE & ACHIEVEMENTS

- STARS Scholarship: Awarded a 100% Scholarship by VIT Bhopal University.
- Amazon Summer School 2025: Selected to attend Amazon's elite summer program.
- Tata Elxsi TELIPORT Season 3: Secured 5th position among Top 73 teams from 6000+ submissions.
- National Policy Challenge (DSCI): Reached final round for national-level data security competition.
- Scholarship for Higher Education (INSPIRE SHE): Ranked in the top 1% of Class XII examinations.
- Bit By Bit Club (VIT Bhopal): Organized 5+ Hackathons and coding competitions at VIT Bhopal.

## CERTIFICATIONS

- The Bits and Bytes of Computer Networking — Coursera
- Project Based Learning — Postman