





# Mohit Viswkarma

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## Education

Indian Institute of Information Technology, Allahabad (IIITA)	2024 – 2026
<i>M.Tech in Network and Security</i>	CGPA: 7.54/10
University Institute of Technology, RGPV, Bhopal	2019 – 2023
<i>B. Tech in Information Technology</i>	CGPA: 6.92/10
Shubham Convent Higher Secondary School, Nasrullaganj	2016 – 2018
<i>Senior Secondary (Science)</i>	Percentage: 87%

## Work Experience

Software Engineer Intern — Cixcent Technologies	Hyderabad, India — May 2023 – Aug 2023
<ul style="list-style-type: none"><li>Integrated <b>10+ RESTful APIs</b> to accelerate data retrieval by <b>30%</b> for key user dashboards, proficiently handling <b>large datasets</b>.</li><li>Engineered <b>5+ reusable React/TypeScript components</b>, enhancing UX and improving application <b>scale and performance</b>.</li><li>Optimized data handling and refactored API calls with Axios for caching, reducing application load times by <b>25%</b> and addressing <b>performance issues</b>.</li><li>Ensured <b>99% bug-free delivery</b> by rigorously testing <b>20+ API endpoints</b> and resolving <b>15+ critical bugs</b> pre-deployment, showcasing hands-on <b>debugging applications</b>.</li></ul>	

## Projects

IntelliVibe - AI-Powered Hiring Platform	<a href="#">Deployed Link</a>
<ul style="list-style-type: none"><li>Engineered a full-stack MERN application to automate the hiring pipeline, demonstrating ability to <b>design, develop, code and test SaaS solution</b> handling <b>huge sets of data</b>.</li><li>Architected a real-time, conversational AI video interview feature using <b>WebSockets</b>, <b>Deepgram</b>, and <b>Google Gemini</b> for dynamic question generation and processing <b>large datasets</b>.</li><li>Developed an AI-powered resume screening engine to parse, score, and match candidates, applying <b>Complex Event Processing systems</b> concepts.</li><li><b>Tech Stack:</b> React, Node.js, Express, <b>MongoDB</b> (NoSQL database), Google Gemini, Deepgram, Socket.IO.</li><li><b>Project Link:</b> <a href="#">Github</a></li></ul>	
SecureDocs	<a href="#">Deployed Link</a>
<ul style="list-style-type: none"><li>Engineered a full-stack secure document sharing platform using Identity-Based Encryption (<b>IBE</b>), providing 256-bit encryption for an <b>on-premise environment</b> with robust data security.</li><li>Developed the core crypto-engine in C (<b>PBC</b>, <b>GMP</b>), compiling to WebAssembly (WASM) for 20x faster client-side encryption, optimizing for <b>performance issues</b>.</li><li>Architected a decoupled backend with Node.js and a dedicated Key Distribution Center (<b>KDC</b>), reducing key generation latency by 30% and enhancing system <b>scale</b>.</li><li><b>Project Link:</b> <a href="#">Github</a></li></ul>	

## Technical Skills

**Languages:** C/C++, **Java**, JavaScript, TypeScript, HTML/CSS, **Python**, **Bash**  
**Technologies:** React.js, **Node.js**, **REST APIs**, Express.js, **MongoDB**, **Elasticsearch** (familiar), **Kafka** (familiar)  
**Developer Tools:** Git, GitHub, Postman, **Docker**, **K8s** (Kubernetes - familiar)  
**Operating Systems:** **Unix like systems**, **Ubuntu**, **CentOS** (Specify if you have direct experience, otherwise imply through projects)

## Relevant Coursework

• Data Structures & Algorithms • Operating Systems • DBMS • OOPS • Computer Networks • Introduction to Cryptography

## Achievements

- Solved **400+** DSA problems on platforms including LeetCode, GeeksForGeeks, and Codeforces.
- Scored in the **97.19 percentile** on the GATE 2024 (CS/IT) exam among 123,967 candidates, achieving a GATE score of 558.