





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">Integrated 10+ RESTful APIs to accelerate data retrieval by 30% for key user dashboards.Engineered 5+ reusable React/TypeScript components, enhancing UX for a customer analytics module.Reduced application load times by 25% by optimizing data handling and refactoring API calls to use Axios with caching.Ensured 99% bug-free delivery by rigorously testing 20+ API endpoints and resolving 15+ critical bugs pre-deployment.	

Projects

[Explain project: 1. why 2. what 3. how](#)

IntelliVibe - AI-Powered Hiring Platform	hyper link video link	Deployed Link
<ul style="list-style-type: none">Engineered a full-stack MERN application to automate the hiring pipeline using multiple AI services.Architected a real-time, conversational AI video interview feature using WebSockets, Deepgram for live transcription, and Google Gemini for dynamic, context-aware question generation.Developed an AI-powered resume screening engine to automatically parse, score, and match candidates against job descriptions.Tech Stack: React, Node.js, Express, MongoDB, Google Gemini, Deepgram, Socket.IO, JWT.Project Link: Github		
SecureDocs		Deployed Link
<ul style="list-style-type: none">Engineered a full-stack secure document sharing platform using Identity-Based Encryption (IBE), providing end-to-end, 256-bit encryption to protect files against unauthorized access.Developed the core crypto-engine in C (PBC, GMP), compiling to WebAssembly (WASM) to achieve a 40% smaller payload and execute client-side encryption up to 20x faster than pure JavaScript equivalents.Architected a decoupled backend with Node.js, including a dedicated Key Distribution Center (KDC) that reduced key generation latency by 30% and centralized security operations.Project Link: Github		
Secure Message Transmission Protocol using RSA and AES		
<ul style="list-style-type: none">Developed a secure communication protocol using RSA for key exchange/signatures and AES-256 for encryption.Implemented key generation, digital signature, encryption/decryption, and signature verification using Crypto++.Project Link: GitHub		

Technical Skills

Languages: C/C++, Java, JavaScript, TypeScript, HTML/CSS

Technologies: React.js, Node.js, REST APIs, Express.js, MongoDB

Developer Tools: Git, GitHub, Postman, Docker

Relevant Coursework

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

[DBMS,OS,](#)

Achievements

INCREASE DSA COUNT

- 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.