

Lokesh Sharma

M.Tech. (Integrated) Computer Science & Engineering
(Specialization in Cybersecurity)
VIT Bhopal University

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GitHub Profile
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Portfolio Website

EDUCATION

• Master of Technology (Integrated) - Computer Science & Engineering <i>VIT Bhopal University (Specialization in Cybersecurity)</i>	<i>Sep 2022 - Sep 2027</i> CGPA: 8.79/10.0
• Higher Secondary School Certificate (Class XII) <i>Kendriya Vidyalaya No 2 NSB Vishakhapatnam</i>	<i>2021</i> Grade: 87.6%
• Secondary School Certificate (Class X) <i>Kendriya Vidyalaya No. 3 Gandhinagar Cantt</i>	<i>2019</i> Grade: 88.2%

PROFESSIONAL EXPERIENCE

• Web Development Intern <i>Cyber Jagrithi Foundation</i>	<i>Apr 2025 - Jun 2025</i> 3 months
<ul style="list-style-type: none">Developed cybersecurity-focused web applications addressing cyber crimes and compliance frameworks, enhancing digital safety awareness tools and improving security protocols.Collaborated with cross-functional teams designing responsive web interfaces for cybersecurity education platforms using modern web technologies and security best practices.Contributed to legal compliance solutions integrating cyber law requirements into web applications, ensuring adherence to regulatory standards and frameworks.	

TECHNICAL PROJECTS

• BEAT-WELL - AI-Powered Heart Disease Prediction System <i>Full-stack healthcare web application with machine learning. www.beatwell.site</i>	<i>Mar 2025 - Present</i>
<ul style="list-style-type: none">Architected comprehensive healthcare platform using Next.js frontend and FastAPI backend, integrating machine learning models achieving 85% prediction accuracy for heart disease risk assessment.Implemented advanced features including user authentication, automated BMI/BP categorization algorithms, and intelligent chatbot functionality using Natural Language Processing for medical queries.Deployed scalable application utilizing Python, FastAPI, Next.js, Tailwind CSS, and Scikit-learn, optimizing database performance achieving 40% faster load times through efficient caching.	
• LogSticks <i>Scalable transportation solution with real-time tracking capabilities</i>	<i>Ongoing</i>
<ul style="list-style-type: none">Developing comprehensive logistics platform with user-centric interface for goods transportation booking, real-time shipment tracking, and automated notification systems.Engineering secure authentication system with role-based access control enabling differentiated experiences for customers, transport agents, and administrators with comprehensive security measures.Implementing route optimization algorithms leveraging historical traffic data and predictive analytics, reducing average delivery time by 25% through intelligent routing and decision algorithms.	

TECHNICAL SKILLS AND CORE COMPETENCIES

- **Programming Languages:** C/C++, Python, JavaScript, TypeScript, HTML5, CSS3, SQL
- **Frameworks & Libraries:** React.js, Next.js, FastAPI, Node.js, Express.js, Tailwind CSS, Bootstrap, Scikit-learn, Pandas, NumPy
- **Development Tools:** Git, GitHub, Visual Studio Code, REST APIs, JSON, Postman, Docker
- **Database Systems:** MongoDB, Firebase, MySQL, PostgreSQL, Database Design, Query Optimization
- **Cloud & DevOps:** AWS, Google Cloud Platform, Vercel, Netlify, CI/CD Pipelines
- **Cybersecurity:** Network Security, Cryptography, Ethical Hacking, Vulnerability Assessment, Penetration Testing
- **Core CS:** Data Structures, Algorithms, OOP, DBMS, Software Engineering, Operating Systems, Networks

PROFESSIONAL CERTIFICATIONS

• Google IT Support Professional Certificate - Computer Networking	Coursera Verified Certificate <i>2023</i>
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ACHIEVEMENTS & LEADERSHIP

• National Cadet Corps (NCC) 'A' Certificate - Achieved 'A' Grade	<i>School Years</i>
• State Level Social Science Exhibition (2x participant)	<i>School Years</i>
• KVS Regional Sports Championship - Cricket	<i>School Years</i>