

ALOK KUMAR

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EDUCATION

National Institute of Technology, Srinagar <i>B.Tech in Computer Science and Engineering (CGPA: 7.96)</i>	Aug 2023 – Present <i>Srinagar, J&K</i>
Govt. Sr. Sec. School, Neoli-Khurd <i>HBSE (PCM), 82.6%</i>	Mar 2022 <i>Hisar, Haryana</i>
Govt. Sr. Sec. School, Nagina <i>HBSE, 94%</i>	Mar 2020 <i>Nuh, Haryana</i>

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Database Management Systems

WORK EXPERIENCE

Cybersecurity Intern, C-DAC Noida (MeitY) <i>Penetration Testing and Secure Web Application Analysis</i>	Jan 2025 – Mar 2025 <i>Online</i>
<ul style="list-style-type: none">• Completed hands-on training in reconnaissance, scanning, and vulnerability assessment techniques.• Performed web application penetration tests using Nmap and targeted Google dorking.• Automated security scans with Python and Bash, reducing manual effort by 40%.	
Open-Source Contributor, GirlScript Summer of Code 2025 <i>Full-Stack Feature Development and Issue Fixing</i>	May 2025 – Aug 2025 <i>GitHub</i>
<ul style="list-style-type: none">• Developed 5+ features and fixed 10+ issues in InfantCareCompass using React.js, Node.js, Express.js, and MongoDB.• Optimized REST API queries and MongoDB performance, reducing response time by 30%.• Collaborated with a distributed team using GitHub workflows and CI/CD pipelines.	

PROJECTS

Web Chat App (letstalksapp) <i>Real-time MERN Chat App with Socket.IO</i>	Oct 2025 – Jan 2026 <i>Live App</i>
<ul style="list-style-type: none">• Implemented a real-time chat system supporting concurrent users, reducing message latency by 30%.	
Blogs Website <i>Full-Stack Blogging Platform (Node.js, Express.js, MongoDB, React.js)</i>	Sep 2025 – Oct 2025 <i>Live Demo</i>
<ul style="list-style-type: none">• Implemented secure admin authentication and role-based access control for content uploads.• Built REST APIs for blog creation, media uploads, and user management.	
Portfolio Website <i>Responsive Portfolio Website (React.js, HTML, CSS)</i>	Feb 2025 – Jul 2025 <i>Portfolio</i>
<ul style="list-style-type: none">• Showcased projects, skills, and achievements with interactive React.js components.• Attracted 200+ unique visitors within three months through optimized UI and responsive design.	

TECHNICAL SKILLS

- **Languages:** C++, HTML5, CSS3, JavaScript, Python, Numpy, Pandas
- **Frameworks:** React.js, Node.js, Express.js, REST APIs, Socket.IO
- **Databases/Cloud:** MySQL, MongoDB, AWS (Intermediate), Docker, Firebase, Netlify, Render
- **Tools:** Git, GitHub, VS Code, Shell Scripting (Automation), Operating Systems (Linux, macOS)

ACHIEVEMENTS/CERTIFICATIONS

- **LeetCode:** Solved 400+ algorithmic challenges demonstrating strong problem-solving skills. [Leetcode]
- **Ethical Hacking and Penetration Testing** — C-DAC Noida, 2025 [Certificate]
- **Web Designing Competition** — NIT Srinagar, 2024 [Certificate]
- **Interviewed at PayPal** — Successfully cleared the Online Assessment for the Data Scientist role and advanced to the interview stage.