

Sachitr Razdan

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Portfolio: <https://sachitrazdan1710.github.io/Portfolio/>

EDUCATION

- **Amity University, Noida** Noida, India
Master of Computer Applications (MCA) *Aug 2023 – Jun 2025*
 - **CGPA:** 9.01 / 10
- **Amity University, Noida** Noida, India
Bachelor of Science in Information Technology (BSc-IT) *Sept 2020 – Jun 2023*
 - **CGPA:** 8.32 / 10
- **Delhi Public School, Indirapuram** Uttar Pradesh, India
CBSE, Class XII *Mar 2019 – Apr 2020*
 - **Score:** 85.2%
- **Delhi Public School, Indirapuram** Uttar Pradesh, India
CBSE, Class X *Mar 2017 – Apr 2018*
 - **Score:** 75.8%

SKILLS

- **Expertise Area:** Cybersecurity, DevOps, Networking, Software Development, Backend Development
- **Programming Languages:** Java, C/C++, Python
- **Tools and Technologies:** Docker, Jenkins, Acunetix, Burp Suite, SQLMap, Git, Linux, GoldenEye, Metasploit, Packet Tracer
- **Technical Electives:** Data Structures & Algorithms, Operating Systems, Computer Networks, Machine Learning

EXPERIENCE

- **To The New** Noida, India
Business Analyst Intern *Jan 2025 – Apr 2025*
 - Facilitated cross-functional discussions between HR stakeholders and developers to refine 4+ automation modules, ensuring timely and consensus-driven releases.
 - Presented competitor benchmarking findings to business leads, influencing redesign of 3 core HR features and boosting market share by 15%.
- **BlockOn Ventures** Gurugram, India
Tech Intern *May 2024 – Jul 2024*
 - Discovered and reported 50+ vulnerabilities (including 12 critical) across 15+ enterprise-level web applications using automated scanners (Nessus, OWASP Zap) and manual testing; improved security posture of 8 high-traffic APIs.
 - Collaborated with DevOps and cybersecurity teams to present vulnerability findings and advocated for 12+ patch implementations during weekly coordination meetings.
- **Sopra Steria** Noida, India
Frontend Intern *Jun 2022 – Jul 2022*
 - Designed and implemented a full-stack ReactJS-based YouTube clone, achieving 90% pixel-perfect UI accuracy; enhanced UX by reducing load time to under 2s using lazy loading and optimized navigation via client-side routing.
- **NEC Corporation** Noida, India
Cybersecurity Intern *Jun 2022 – Jul 2022*
 - Simulated 25+ real-world OWASP-based penetration tests (brute-force, SQL injection, XSS); documented and triaged 10+ critical vulnerabilities and coordinated with engineers for mitigation.

PROJECTS

- **Architected a driver drowsiness detection system using IoT and ML, conducting evaluative testing with 20+ participants and achieving a 90% satisfaction rate in detecting drowsiness.:**
 - Engineered a real-time fatigue monitoring tool using OpenCV; attained 94.2% accuracy via facial landmark detection.
 - Integrated alcohol, seatbelt, and vibration sensors, reducing driver-related incidents by 60%.
- **Designed an IoT-based smart parking automation system with MQTT and IR sensors, increasing parking slot efficiency by 70% and reducing average parking time by 30%.:**
 - Developed MQTT-based parking solution with IR sensors for 10+ slots; automated process by 70% and decreased parking time by 30%.
- **Engineered a full-stack MERN e-commerce platform for digital photo sales, improving payment success to 99.9% and reducing page load time by 40%.:**
 - Deployed a digital photo marketplace platform with Stripe integration and lazy loading; enhanced payment reliability to 99.9% and improved page load speed by 40%.
- **Built a machine learning-based, real-time DDoS detection system to reduce response latency by 60%, with high predictive accuracy.:**
 - Trained a Random Forest model on live `hping3` attack data; attained 97.8% detection accuracy with only 5% false positives.
 - Launched desktop alerting mechanism via `plyer`, accelerating administrator response times by 60%.

RESEARCH PUBLICATIONS

- **Smart Waste Management Using IoT:** Published in **ICACTCE'24**, Lecture Notes in Networks and Systems, Vol. 1312, Springer. Presented on **11 July 2025**. Co-authored with Shubham Kumar, Sarvesh Tanwar, et al.

AWARDS AND ACHIEVEMENTS

- Coordinated **ICRITO Conference** at Amity University, handling session planning and communication with 30+ national participants.
- Configured IP addressing, subnetting, and routing protocols through CCNA v7 coursework, enabling efficient network troubleshooting and resolution, reducing network downtime by 20% company-wide.
- Competed in **CBSE Basketball Clusters** with DPS Indirapuram; advanced to semi-finals among 50+ regional schools in the junior division.