Lakshay Dhoundiyal

lakshaydhoundiyal0@gmail.com | +91-9560547779 | Github | LinkedIn | Portfolio | Blogs | Codolio

Education

M.Sc. Informatics (IT) — August 2024 - July 2026
Institute of Informatics and Communication (IIC), Delhi University — CGPA: 8.41/10

B.Sc. (H) Electronics — November 2021 - July 2024
Atma Ram Sanatan Dharma College, Delhi University — CGPA - 8.32/10

Diploma in Ethical Hacking — January 2024 - August 2024
Global Defensive Security, Bhopal — Remote

Experience

Research Intern - Full Stack Development — December 2025 - April 2026
Samarth e-Gov, CyPSi Laboratory | New Delhi — Onsite, Full Time

- Designed and developed the **IIC Official Website** and **SamarthX Goa School Website** from scratch using **Next.js, TypeScript, Tailwind CSS, and Payload CMS**, delivering **3** scalable, production-ready full-stack web applications.
- Engineered **15+ reusable UI components** and **7+ dynamic modules**, including dynamic routing, instructor management, advanced filtering, media handling, and CMS-driven content workflows.
- Integrated **MongoDB**, **Payload CMS**, **Cloudinary**, and secure backend services to build a modular architecture supporting seamless content management, optimized media delivery, and scalable future deployment.

Cyber Security & VAPT Intern — May. 2025 - July. 2025
I4C, Ministry of Home Affairs | New Delhi — Onsite, Full Time

- Conducted **5+ OSINT investigations** across surface and dark web sources, identifying **20+ exposed assets**, leaked credentials, and threat indicators to support cyber threat intelligence and risk assessment.
- Performed **vulnerability assessments** and penetration tests on web applications and network infrastructure, uncovering **13+ security findings** and providing remediation recommendations to strengthen national security posture.
- Investigated **100+ domains, IP addresses, and digital assets** using OSINT and VAPT methodologies, correlating intelligence from multiple sources to identify attack surfaces and potential security risks.
- **Technologies Used:** Maltego, Shodan, theHarvester, TOR, Nmap, Burp Suite, Metasploit, Kali Linux, Wireshark.

Projects

- SafeSphere AI | RAG, React.js, Nextjs, TypeScript, Node.js, Experss.js, MongoDB, JWT, Qdrant, SMTP — Github

- An AI-powered threat analysis and fact-checking platform using LLMs, RAG, and Qdrant vector search to perform real-time risk assessment and detect misinformation, deepfakes, clickbait and digital threats, featuring secure JWT auth, Google OAuth, analytics dashboard, PDF report generation, bookmarking, and real-time notifications.

- Threadly AI | React.js, Next.js, TypeScript, oRPC, FastAPI, Websockets, NeonDB, Kinde, Arcjet, Prisma — Github

- An AI-powered team communication platform with real-time messaging, thread organization, and contextual AI insights.
- Implemented AI-powered conversation summaries, automated thread management, and real-time communication.

- Carvix: B2B SaaS | React.js, Nextjs, Tailwind, Shadcn, Supabase, Prisma, Gemini API, Arcjet, Clerk — Github

- A SaaS for car buyers & dealers with AI-powered image search, vehicle data extraction, and real-time test drive booking.
- Implemented AI-driven car recognition, dealership and admin management, secure authentication, and dashboards.

Technical Skills

Programming Languages: Python, C/C++, Bash, Go, Java, JavaScript, PHP, SQL, TypeScript
Frameworks & Libraries: Flask, Django, React.js, Angular, Express.js, Next.js, PayloadCMS
Web Technologies: HTML5, CSS3, Bootstrap, Node.js, Tailwind CSS, WebSockets, JWT, jQuery
Databases & ORM: MySQL, PostgreSQL, MongoDB, Firebase, Supabase, Prisma, SQLite
Cloud & DevOps: AWS, Docker, Kubernetes, GitHub Actions, CI/CD, Nginx, Netlify, Vercel, Heroku
Developer Tools: Git, GitHub, Burp Suite, Metasploit, Postman, Linux, Figma, Arduino IDE

Competitive Programming

- **LeetCode** 1050+ Problems Solved, 650+ Days Streak
- **InterviewBit** 858 Problems Solved, Global Rank - 7
- **GeeksforGeeks** 550+ Problems Solved, Institute Rank - 1
- **CodeChef** Rating - 1004, 705+ Days Streak

Certifications

- **Oracle Cloud Infra Certified DevOps Professional**
- **Google Cybersecurity Professional Certificate**
- **Java Full Stack Development:** Pantech e-Learning, IETE
- **Data Analytics using Power BI:** Infosys

Co-Curricular/Achievements

- **International Book of Records & India Book of Records Holder:** Maximum remote Internships completed by an individual.
- **Qualified UGC-NET (December, 2025):** Examination in **Computer Science & Applications**.
- **3× Meritorious Student:** During Bachelor's; Secured **1st Rank** in the 1st Year of Master's at Delhi University.
- **Research Paper:** "Smart Devices and IoT in Industrial Applications," 2nd International Conference, ARSD College.
- **Mentor:** Mentored **50+ students** on Unstop and Topmate, providing career guidance on resume reviews & internships.