

Ayush Kumar

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SKILLS

- **Languages:** HTML, CSS, JavaScript, C++, Java.
- **Frameworks:** HTML, CSS, Bootstrap, React
- **Tools/Platforms:** Git, Docker, Azure, Linux
- **Soft Skills:** Problem-Solving Skills, Project Management, Adaptability

PROJECT

Password Cracker Tool	Dec 2024 – Jan 2025
<ul style="list-style-type: none">• Developed a tool to crack password hashes using dictionary and brute-force attacks.• Implemented support for various hashing algorithms such as MD5,SHA-1, and SHA-256.• Conducted tests on sample password databases to ensure effectiveness.• Utilized Python, Hashlib, multiprocessing (for parallel processing), and wordlist files to optimize performance.• Integrated BeautifulSoup to scrape leaked password databases from public sources, enhancing the dictionary attack efficiency.	

TRAINING

Self-Paced Course in Data Structure and Algorithms (GeeksforGeeks)	May 2024 - Jun 2024
<ul style="list-style-type: none">• Mastered fundamental and advanced concepts of Data Structures and Algorithms, including arrays, linked lists, stacks, queues, trees, graphs, sorting, and searching techniques.• Developed problem-solving skills by implementing various algorithms and data structures in practice coding assignments.• Enhanced coding proficiency and prepared for technical interviews by practicing a wide of problems.	

CERTIFICATIONS

• Cloud Computing by NPTEL	May 2025
• DSA using Java - Self-Paced by GeeksforGeeks	Jun 2024
• Introduction to Cybersecurity Essentials – Courrsera	Dec 2023
• The Bits and Bytes of Computer Networking by Coursera	Mar 2023

CO-CURRICULAR ACTIVITIES

• Attended Ethical Hacking Bootcamp LPU	Jan 2024
• Attended Webinar on Digital Forensics and Incident Response LPU	May 2024

ACHIEVEMENTS

• Participated in CTC Competition	Dec 2024
Joined a cybersecurity Capture The Flag (CTF) event and solved beginner-level challenges.	
• Team Leadership Success	Oct 2024
Led a team of 4 developers to deliver a project two weeks ahead of deadline.	

EDUCATION

Lovely Professional University	Punjab, India
Bachelor of Technology - Computer Science and Engineering	July 2022 - July2026
Oxford public School	Ranchi, Jharkhand
Intermediate	April 2020 - March 2022