

Ayushman Kaushal

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SKILLS

- **Languages:** C++, JavaScript, Python
- **Frameworks:** HTML and CSS, Bootstrap, React.js
- **Tools/Platforms:** MySQL, MongoDB, Docker, Kubernetes, AWS, Linux, Git, GitHub
- **Soft Skills:** Dedicated, Adaptable, Passionate, Insightful

PROJECTS

Network Packet Analyzer | [GitHub](#)

- Engineered a Python-based packet sniffer analyzing 500+ simultaneous network connections with multi-threaded packet capture.
 - Designed filtering engine supporting protocol-specific analysis with hexdump payload inspection capabilities
 - Implemented real-time monitoring system with optimized packet-to-display processing pipeline
- Tech: Python, Scapy, Raw Sockets, Multi-threading, Network Security, Wireshark Protocols

Full Stack E-Learning Platform | [GitHub](#):

- Architected full-stack e-learning platform with RESTful API built using 4-tier MERN architecture
 - Implemented user authentication and course enrollment system with secure JWT-based authorization
 - Implemented responsive React.js frontend with component-based architecture, state management, and optimized rendering for mobile and desktop platforms
- Tech: *React.js, Node.js, Express.js, MongoDB, JWT Authentication, REST APIs, Responsive Design*

TRAINING

- **DSA in C++ Training Program** | [Certificate](#) Jun'25 – July'25
Centre for Professional Enhancement, Lovely Professional University
Duration: 10 June 2025 – 16 July 2025
 - Completed a structured training program focused on Data Structures and Algorithms using C++.
 - Gained hands-on experience with key concepts such as arrays, linked lists, stacks, queues, trees, graphs, and algorithmic problem-solving.
 - Strengthened coding efficiency and logical thinking through regular practice and assessments.

CERTIFICATES

- AWS Academy Cloud Foundations | [Certificate](#)
- Introduction to Internet of Things | [Certificate](#)
- Oracle Certified Foundations Associate | [Certificate](#)
- Mastering Data Structures & Algorithms using C and C++ | [Certificate](#)

EXTRACURRICULAR ACTIVITIES

- Solved 100+ problems across various platforms as LeetCode, HackerRank, GeeksForGeeks, Code360 showcasing proficiency in data structure and algorithms
- Competed in multiple hackathons (IIT Ropar Gen AI, Apna College, Elearnix), solving distinct problem statements across each event, demonstrating versatility in real-world development

EDUCATION

Lovely Professional University <i>Bachelor of Technology - Computer Science and Engineering; CGPA: 7.27</i>	Punjab, India <i>Since August 2023</i>
Green Land Convent School <i>Intermediate; Percentage: 61.2%</i>	Sector-32, Ludhiana <i>March 2022</i>
Green Land Convent School <i>Matriculation; Percentage: 77.2%</i>	Sector-32, Ludhiana <i>March 2020</i>