

# Aaditya

Himachal Pradesh, India

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## Profile

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I am a motivated and adaptable Computer Science Engineering student specializing in Cybersecurity, driven to make a meaningful impact through technology and innovation. I thrive on challenges and believe in using creative solutions to solve real-world problems.

## Education

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### Chitkara University

2023–2027

Bachelor of Engineering in Computer Science

*Relevant Coursework: Data Structures & Algorithms, Network Security, Cryptography, Operating Systems, OOP*

## Experience

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### Kalvium

Sep 2025 – Jan 2024

- Gained hands-on experience in full-stack development and problem-solving through Kalvium's industry-aligned curriculum.
- Collaborated on real-world software projects, strengthening skills in Python, web development, and software engineering principles.

## Projects

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### Network Traffic Analyser

Sep 2025 – Oct 2025

- Developed a real-time network traffic analysis tool using **Python, Scapy, and Wireshark APIs** to detect suspicious activity and anomalies.
- Implemented **packet sniffing, protocol classification, and intrusion detection** techniques to identify potential threats.
- Integrated **data visualization dashboards** with **Streamlit** for monitoring network patterns and attack trends.
- Achieved a **30% improvement in detection accuracy** by applying **machine learning-based traffic classification** models.

## Skills

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**Programming Languages:** Java, C++, HTML, CSS, JS.

**Web Development:** Node.js

**Soft Skills:** Leadership Skills, Team Management, Data-driven strategic planning, Report Writing Skills, Communication Skills, and Critical Thinking.

## Extracurriculars & Leadership

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- **Co-founder, Homebooth:** Leading product vision and development for a startup focused on smart lodging solutions.
- **IEEE Student Branch, Secretary:** Coordinated technical and professional activities, fostering collaboration among students and faculty.