

# Prakhi Asati

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## SKILLS

Languages:	Java, C, CPP, Python.
Frameworks:	HTML, CSS, ReactJS, ExpressJS.
Tools/Platforms:	MySQL, Nmap, Wireshark, low orbit canon, angry IP, fuzzy.
Soft Skills:	Problem-Solving, Adaptability, Leadership.

## PROJECTS

**Password Strength Checker** | JavaScript, HTML, CSS | [GitHub](#) Apr – May 2024

- Developed a Python-based password strength evaluator leveraging pattern matching and common password datasets.
- Implemented rules to detect weak passwords, according to length, character diversity, and dictionary attacks.
- Improved user awareness of password security by delivering a simple, easy-to-use command-line tool.

**Simple Port Scanner** | Python, Ruby, R, PHP | [GitHub](#) Nov - Dec 2024

- Designed a Python socket-based port scanner to identify open and closed ports on target IPs.
- Learned network fundamentals such as TCP/UDP communication and multi-threaded scanning.
- Gained better understanding of various reconnaissance techniques in ethical hacking and network auditing.

**Keylogger** | JavaScript, Python | [GitHub](#) Jan - Feb 2025

- Constructed a simple Python keylogger to explore system input-capturing and data-logging mechanisms.
- Integrated secure local storage and encryption to protect logged data from unauthorized access.
- Expanded experience with how malware records keystrokes, further building knowledge in system defense methods.

## CERTIFICATES

Introduction to Machine Learning   NPTEL   <a href="#">Certificate</a>	Nov – 2024
Data Structures and Algorithms   Self-paced (C/C++) by GFG   <a href="#">Certificate</a>	July - 2024
Computer Network and Network Security   Coursera   <a href="#">Certificate</a>	Nov – 2024
Computer Organization and Design   Coursera   <a href="#">Certificate</a>	Oct - 2024

## ACHIEVEMENTS

Executed TryHackMe's Intro to Cyber and SOC Level 1 labs.

Accomplished HackTheBox "Starting Point" track

Completed basic ethical hacking challenges on PicoCTF and CyberTalents.

Earned beginner-level certifications through Cyber Hygiene Challenges.

Solved 191 problems on GFG

## EDUCATION

<b>Lovely Professional University</b> Bachelor of Technology - Computer Science and Engineering   <b>CGPA: 8.2</b>	Phagwara, Punjab August 2023 - Present
<b>Kendriya Vidyalaya G.C.F No. 1 JBP</b> Intermediate   <b>Percentage: 92</b>	Jabalpur, M.P April 2021 - March 2022
<b>Kendriya Vidyalaya G.C.F No. 1 JBP</b> Matriculation   <b>Percentage: 87</b>	Jabalpur, M.P April 2019 - March 2020