

PIYUSH JAIN

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SKILLS

- **LANGUAGES:** C++, Python, Java, SQL
- **FRAMEWORKS AND LIBRARIES:** Flask, Matplotlib, Pillow (PIL)
- **TOOLS/PLATFORM:** Kali Linux, Cisco (Networking), Snort, Wireshark, Burp Suite, Nmap, Z-phisher, SIEM
- **SOFT SKILLS:** Team Leading, Problem-Solving, Adaptability, Collaborative
- **CYBERSECURITY SKILLS:** Vulnerability Assessments, Intrusion Detection, Security Policies, Incident Response, Risk Management, Compliance, System Security, Asset Protection

INTERNSHIP

Cybersecurity Analyst Intern | <https://bit.ly/4ogbgHE>

DEC 2024 – JAN 2025

- Conducted vulnerability assessments, intrusion detection, and incident response on web applications.
- Implemented security best practices to strengthen application and network security
- Performed penetration testing and threat analysis to improve overall security posture
- Technologies: Kali Linux, Burp Suite, Wireshark, Python (automation)

PROJECTS

STEGANOGRAPHY TOOL | <https://bit.ly/4oloGig>

JUL 2025 – AUG 2025

- Built a lightweight **Python Flask web application** to demonstrate **steganography techniques** for hiding and extracting sensitive data in images
- Implemented **text and file encoding/decoding** within PNG/JPEG formats using **Pillow (PIL)** and steganography utilities
- Created for **cybersecurity awareness, secure communication experiments, and educational demonstrations**

Tech Stack & Skills: Python Flask, Pillow (PIL), Steganography, Cryptography & Data-Hiding, HTML5, CSS3

PASSWORD STRENGTH CHECKER | <https://bit.ly/4nsV3Cv>

JUN 2025 – JUL 2025

- Built a **Python Flask web application** to evaluate password strength, enforce secure practices, and generate strong alternatives
- Implemented **real-time validation** against weak/common password lists and **entropy-based scoring** for stronger security checks
- Deployed in production on **Render using Gunicorn** for scalable performance

Tech Stack & Skills: Python Flask, Gunicorn, Cybersecurity Awareness, Password Security, Entropy Calculation

PAW RESCUE – SECURE ANIMAL RESCUE PLATFORM | <https://bit.ly/3L6SIuE>

MAY 2025 – JUN 2025

- Developed a secure web application integrating **animal rescue services** with robust **authentication mechanisms**
- Implemented OTP-based email verification using SMTP API and Firebase Authentication Enforced **strong password policies** (uppercase, lowercase, digits, symbols) to enhance account security
- Applied **secure coding practices** and **defensive design principles** to minimize vulnerabilities

Tech Stack & Skills: Python, Firebase, Authentication & Authorization, Email Verification, Password Security

HR OPERATIONAL TASK

FEB 2022 – MAR 2022

- Facilitated **internship and job opportunities** by connecting students with industry professionals and recruiters
- Managed **outreach initiatives** to enhance student–recruiter engagement and established corporate partnerships with top companies for placements
- Strengthened **corporate relations**, improved **student placement outcomes**, and streamlined recruitment processes

Key Skills: Corporate Relations, Recruitment Support, Student Placement, Outreach & Coordination

ACHIEVEMENTS

- Recognized for exceptional performance and leadership during the 4-week “CTRL. ALT. ACT.” OSINT program, setting a standard of excellence in ethical intelligence and cybersecurity awareness **SEP 2025**
- Secured 4th position in Kaggle competition “System Threat Predictor”, an AI-powered cybersecurity challenge focused on developing machine learning models for intrusion detection and threat prediction **MAR 2025**

CERTIFICATES

- CTRL. ALT. ACT. OSINT Training by Cyber Secured India & MKITOS **SEP 2024**
- Google Cybersecurity Professional by Google through Coursera **JAN 2025 - JUN 2025**
- Cybersecurity Job Simulation by Deloitte through Forage **JUN 2025**
- Cyber Security Analyst Job Simulation by Tata through Forage **FEB 2025**
- Cybersecurity Awareness Job Simulation by MasterCard through Forage **FEB 2025**

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

Master Of Computer Application CGPA: 7.12

Punjab, India

Since AUG 2024

AGGARWAL COLLEGE (AFF. MAHARSHI DAYANAND UNIVERSITY)

Bachelor Of Computer Application Percentage: 75%

Ballabhgarh, Faridabad

APR 2021 – MAY 2024

GOVT. SR. SEC. SCHOOL SIKRI

Intermediate (12): Percentage: 86%

Ballabhgarh, Faridabad

JUL 2020 – JUL 2021