

Projects

Sales Alert Bot / *Cloud and Python*

August - October 2023

- **Targeted Monitoring:** Users define specific product categories, price ranges, and retailers to filter alerts, ensuring relevance and minimizing noise. This empowers users to control their alert stream.
- **Rate Limiting & Throttling:** The bot implements aggressive rate limiting and request throttling to prevent overloading target websites and mimic legitimate user behavior. This mitigates detection as a bot. This is crucial to avoid being flagged as malicious and potentially banned.
- **Anti-Fingerprinting Measures:** The bot minimizes its digital fingerprint by randomizing request headers and other parameters to reduce its unique signature. This improves its ability to blend in with normal traffic.

Github Repository Link: <https://github.com/D3FaltXD/Sora-Bot>

Weather Cat / *Data Analysis*

October – December 2023

- **Deliver** detailed weather intelligence by **aggregating** multiple metrics, including temperature, humidity, wind speed, and precipitation.
- **Empower** global users with adaptable display options by **offering** customizable metric and imperial units.
- **Streamline** weather interaction through **intuitive** commands, **enabling** effortless retrieval of location-specific forecasts and extended outlooks.
- Github Repository Link: <https://github.com/D3FaltXD/Weather-Cat>

Stella Bot / *API Security*

January – March 2024

- **Optimize** routes dynamically by **integrating** real-time traffic data and road closure information, **ensuring** the most efficient path.
- **Data Visualization:** Stella Bot can visualize the route on a map, making it easy for users to understand the directions and identify potential obstacles.
- Github Repository Link: <https://github.com/D3FaltXD/Stellabot>

Certificates

CompTia Network+ (n10-008)

June 2024

Foundational networking certification.

CompTia Security+ (SY0-701)

January 2025

Core cybersecurity certification

Quick Heal Certified Digital Forensics Investigator

January 2025

Validated expertise in digital forensics methodologies.

Technical Skills

Languages Python, Javascript, C, C++

Technologies/Frameworks: MongoDB, MySQL, Metasploit, Docker, BurpSuite, Linux, Nessus

Skills: Computer Networking, Problem-Solving, Webapp Pen testing, Cloud Computing

Volunteering

- **Vulncon Core Team** - a national cybersecurity conference focusing on vulnerabilities and their mitigation.
- **Encrypt Edge Core Team** - is a cybersecurity club specialising in Bug Hunting and Web Exploitation.

Education

Lovely Professional University Punjab

2022 – 2026

Computer Science and Engineering — CGPA: 8.6

Jalandhar, Punjab

Techno India Group Public School, Siliguri

2020 – 2021

12th with Science — Percentage: 92%

Siliguri, West Bengal