

# **Sai Sandeep Jalluri - Cybersecurity Intern at Elevate Labs**

## **Introduction**

This project is a part of my internship at Elevate Labs, focusing on simulating phishing attacks in a safe and ethical environment. It is designed to educate users by tracking their interaction with phishing simulations and providing follow-up guidance.

## **Abstract**

The Ethical Phishing Simulation Platform aims to raise awareness about phishing threats by mimicking real-world attacks in a controlled setup. Users are tested on their response to simulated emails, and their behavior is tracked for educational purposes.

## **Tools Used**

- Python
- Flask
- SQLite
- HTML/CSS
- Gmail API (for sending test emails)

## **Steps Involved in Building the Project**

1. Created a phishing email template with tracking links and pixels.
2. Developed a Flask-based web app to serve pages and track clicks/opens.
3. Used SQLite to store tracking data.
4. Created a dashboard to view analytics like open rate and click rate.
5. Added post-campaign education with safety best practices.

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### **Conclusion**

This simulation helped improve user awareness by testing responses to phishing attempts. The project successfully logs user interactions and educates them post-click, demonstrating the importance of cautious email behavior.