



GROUP 17

PHISHZILLA

Group members: Daniel, Bryan, Zachery and Damien



<https://www.dbs.com.sg>

<https://www.dbs.verify-your-account.sg>

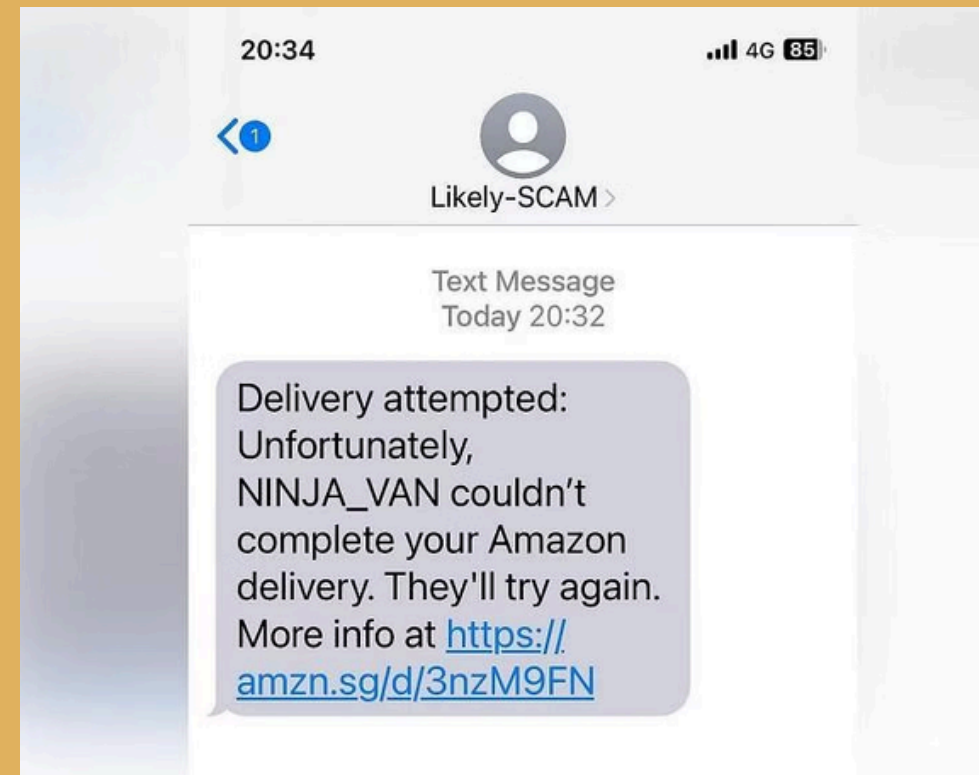


Recent Phishing Scams

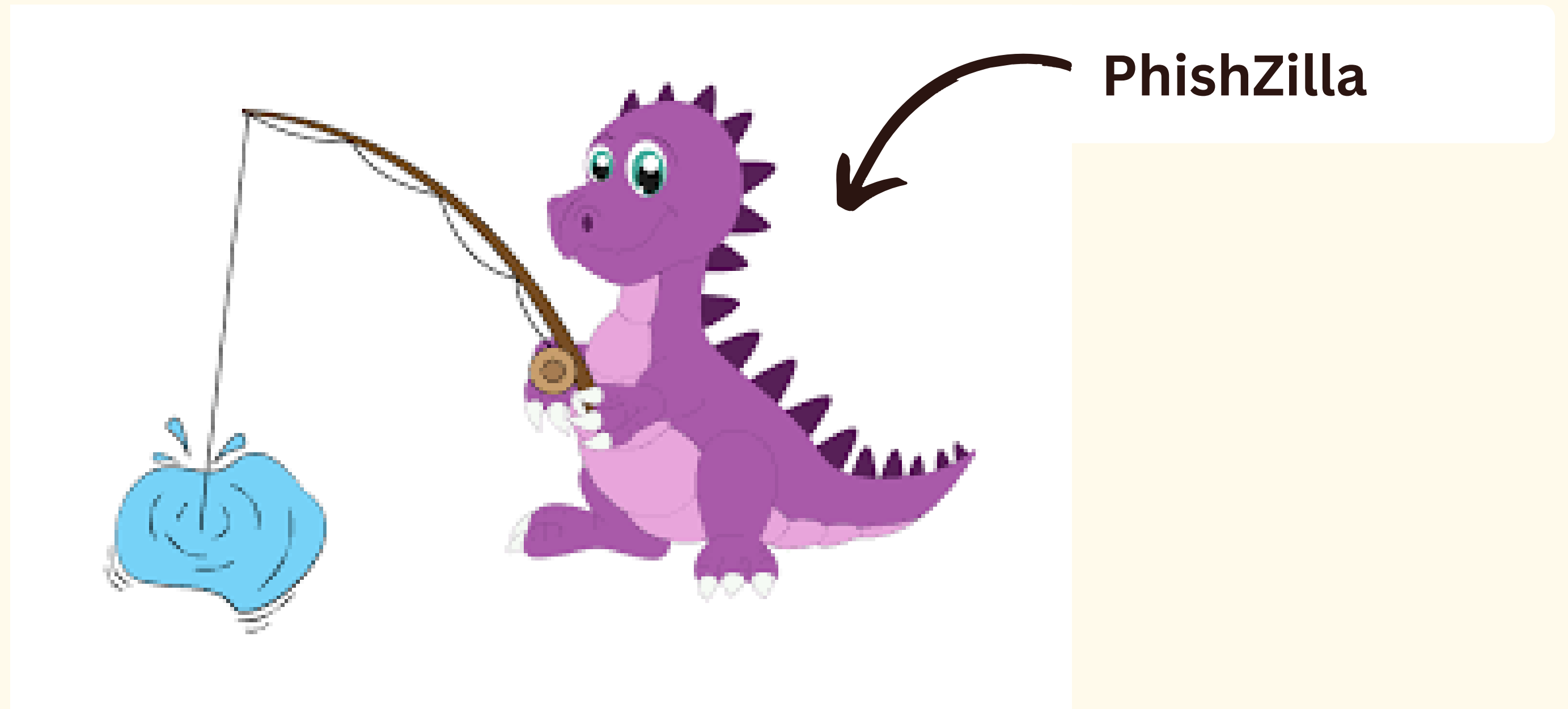
Singapore

Telegram scams up 137.5% in Singapore as overall scam cases rise in first half of 2024

The majority of people who were scammed between January and June this year – 74.2 per cent – were youths, young adults and adults under the age of 50, the police said.



Our Solution



Key Features

1

**Message Sender's
ID**

2

**Checks link's
credibility**

3

**Analyzes
message
grammar**

Core Strengths

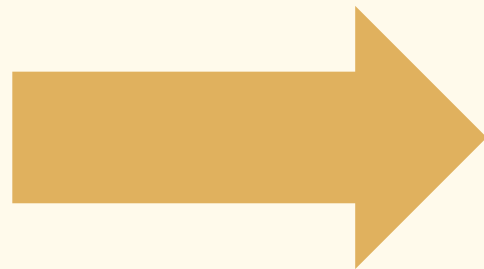
Easy Accessible

- Telegram Bot
- Simple and straightforward
- Non-intrusive
- Broad Adoption: embraced by 43.5% of Singaporeans, showcasing widespread accessibility.

Multi-layered verification

- Checks if sender's ID exist
- Checks the grammar and spelling of the message
- Checks the links (if any)

Tech Stack



Flask




Hugging Face

pirocheto/phishing-url-detection

Microservices

Demonstration

Archived Chats

**PhishZilla Bot**

00:16

Step 1. Verify sender ID. Now, input the sender...

**PhishZilla Bot**


bot


Today


/start 00:16 ✓

Hi! Welcome to PhishZilla! Use this bot to verify the legitimacy of SMS messages 00:16

Step 1. Verify sender ID. Now, input the sender ID (Case Sensitive): 00:16

 | Message





Thank you!

QnA

1 Limitation

**reduce ease of use by
copy and pasting of
links**

Moving forward

**Use LLMs API to read
texts through
screenshots**

2 Limitation

Do not automatically detect a scam message when the message is received

Moving forward

- Implement an app instead to :**
- **allow users to post and learn from latest scam messages**
 - **checks every message being received automatically and notifies user if it is a potential scam**

2 Limitation

Inaccuracies in bot

Moving forward

- **feedback system to train bot to better recognise scam messages**

Future Improvements

On a larger scale, database of verified company's number

add an additional line of check to ensure that message is from the original source

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