

SPAM TRACKER

To detect and spread awareness about the phishing attacks to the society

Created by Fresh Spar Technologies

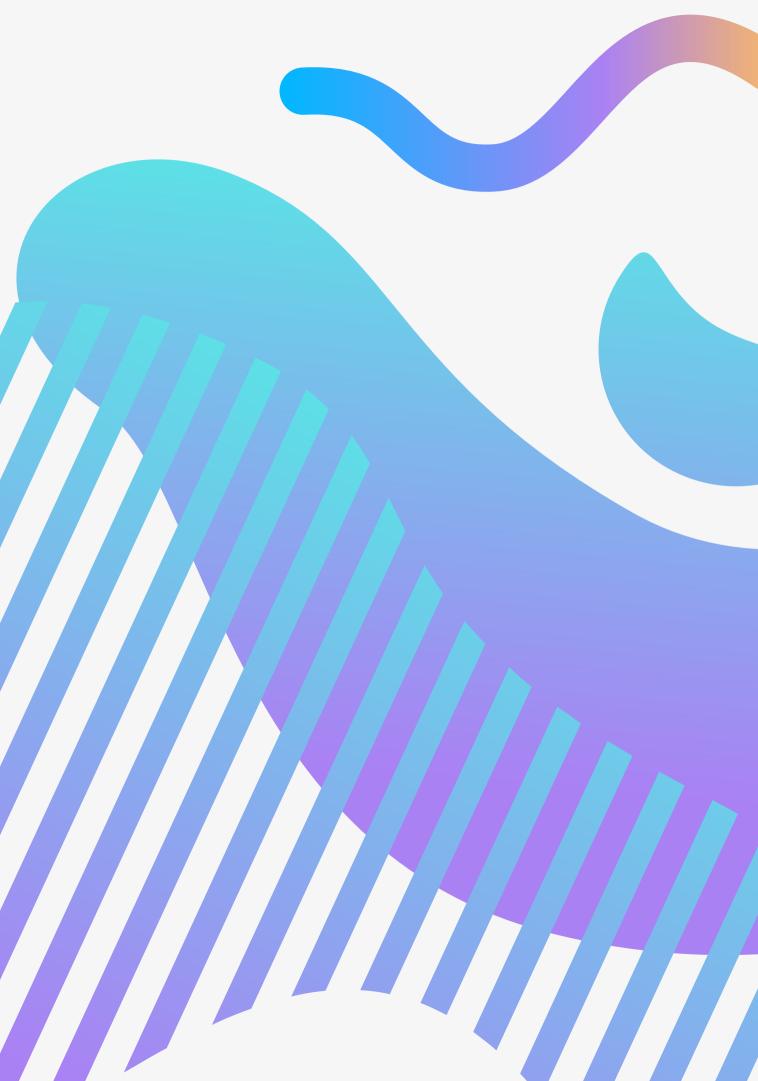




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Problem Statement

Creating a system for detecing and preventing phishing attacks

Develop a system which is capable of detecting and preventing phishing attacks . The solution should be able to detect user which may result in phishing of user information, intimating them and preventing such actions .



Our Team





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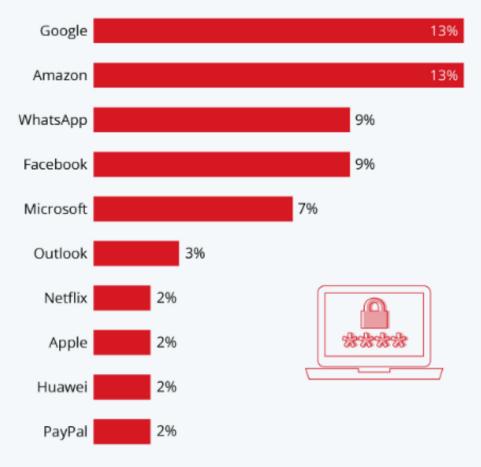
g and Technology

Statistical Report :

The phishing attacks goes on increasing from year to year and it mostly occur on platform like popuar applications

The Most Impersonated **Brands in Phishing Scams**

% of brand phishing attempts imitating the following brands in O2 2020





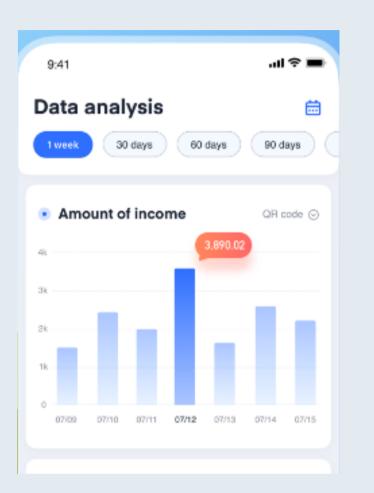
Presentations are communication tools that can be used as demonstrations, lectures, speeches, reports, and more.



Chart 2020

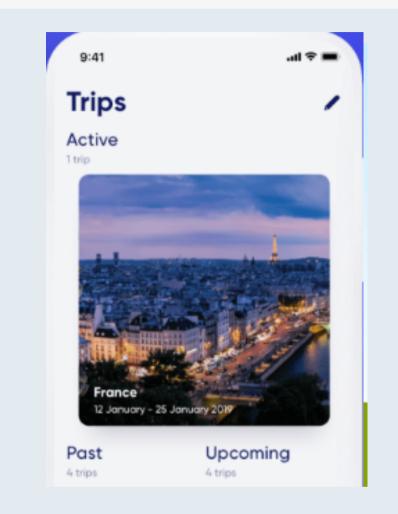
% of Phishing Attacks Hosted on HTTPS

Key Metrics:



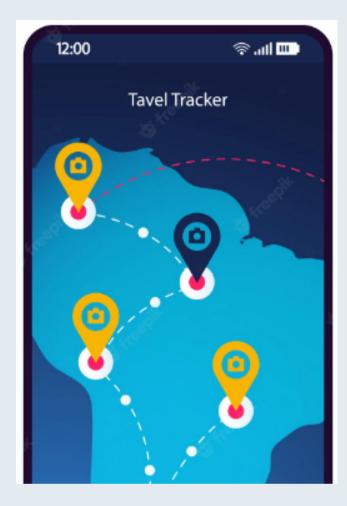
Analysis TAB

The analysis tab of our app helps to analyze the risk of the spam attacks to the user and makes you aware of about them.



Blog Page

Awarness prevents the starts from scam .This may helps to create awareness about the phishing attacks by using various features such as blogs, Videos and Podcast .



Tracker Tab :

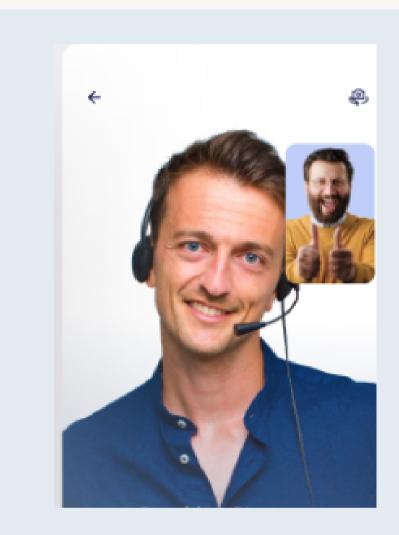
The location of the attacker can be tracked by using some machine learning techniques and algorithms . This helps to find the victim and report automatically ot the cyber officials

Key Metrics:

÷	Suspect Reported as			•			
	REPORT		BLOC	ĸ			
89 US	SER REPORTS						
Called three mornings in a row. No message. Ring three times and hang up. November 30							
Ц	Scam artist, va November 25	cation ge	taway				

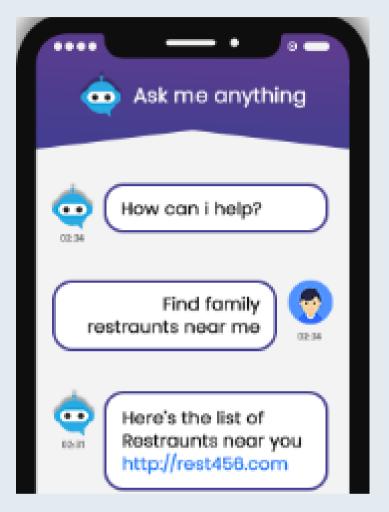
Spam Detector :

Our app detects the phishing attacks such as E-mail, SMS, URL spam website detection etc



Experts Meeting :

The users can directly interact with security officials and then report their phishing attacks to the security expert



AI chat Bot:

Using Ai chat the user can immediately report thier issues to the security experts .It helps give immediate analysing of the datas







- Identity theft
- Financial loss
- Malware infection



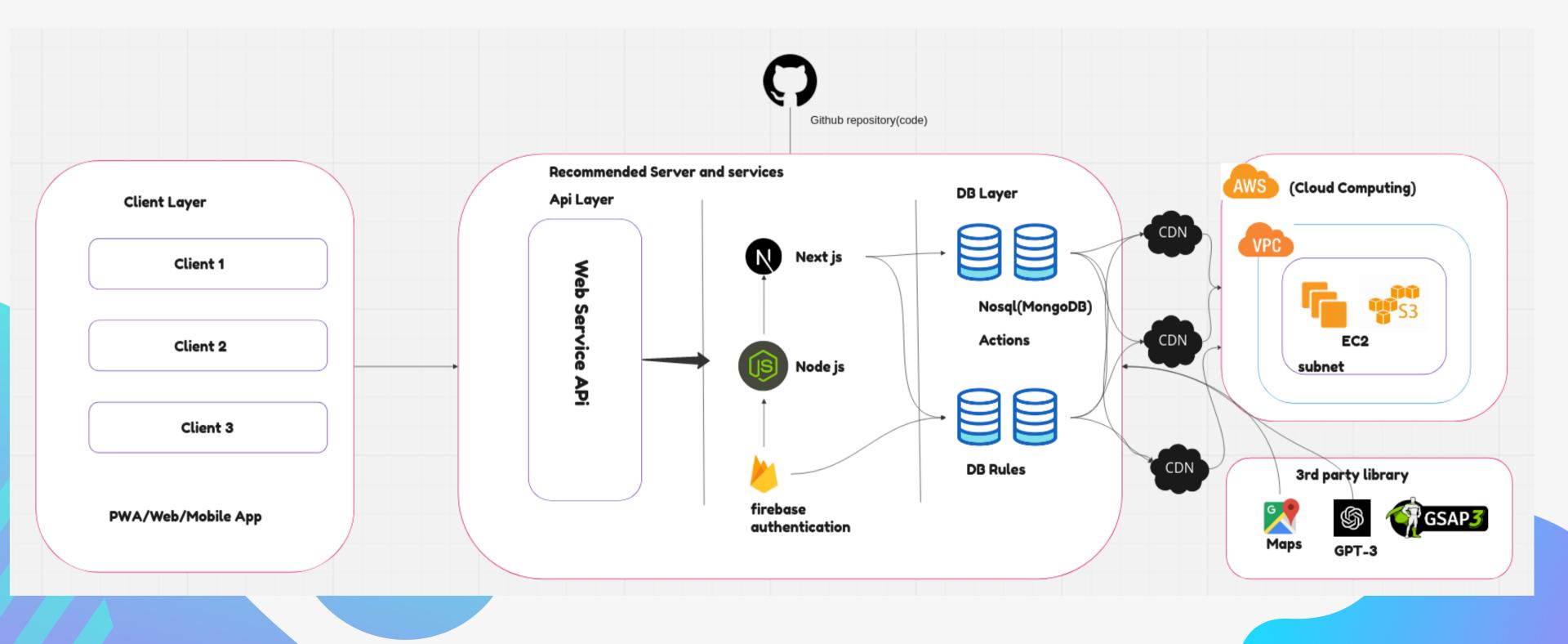


Reputation damage Loss of confidential information Compliance issues

Business Model:

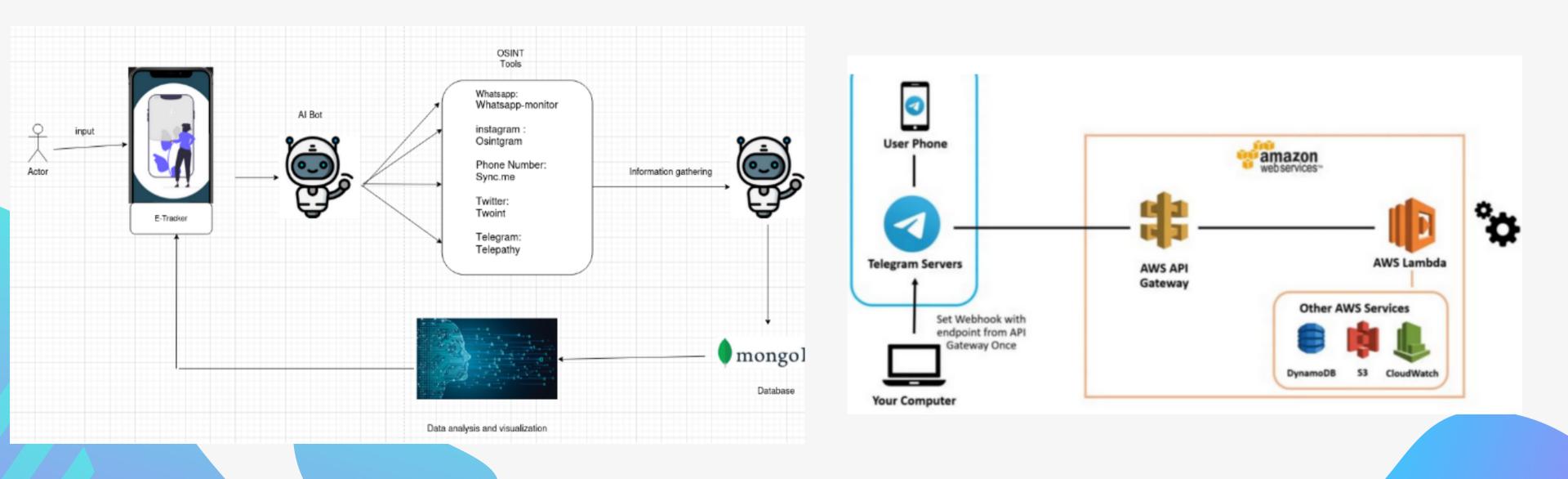
Key Partners 🔗	Key Activities	Value Propositions	Đ	Customer Relationships	Customer Segments			
Firebase AWS Cloud Provider	Gives a relief to the department members to find the victims ie the attacker	Responsive UI design		AI chat bot	AI chat bot and cosultant service . Podcast , blogs and awareness video content . Unique QrCode for the society and department members . So that the department members can easily visualize the behaviour of the attacker .			
		Making awareness about the phishing the attacks to the users		24/7 customer support for the society people to report any issues to the department members				
OSINT Tools	Making awareness about the phishing the attacks to the users							
OSINTgram, TWOINT, Telepathy, Sync.me	Spam Emails, URL and messages can be detected using the machine learning techniques	Suggesting suitable podcast and awareness video contents to the users The risk factors of the phishing attacks can be reported to the user . So that they can be aware of the attacks .		Email services of every update using SMTP				
ML models and algorithm				protocol.				
Data sets such as the spam messages, url and other contents to train the model								
	Key Resources	The awareness about the be reported to the users.		Channels				
	Technology and ML models and algorithm	about the phishing attack		web (PWA) and mobile app(React Native) for				
	Marketing support and advertising team			both the society and the department members				
	Google Maps APIs			Whatsapp and telegram bot for XSS feed of the				
	AI and deep learning techniques such as naive baeyes , logical regression algorithms			daily updates to the user . Report can also be done through the whatsapp				
	Kaggle Data sets to train the model			and the telegram bot				
	AI chat bot to get the inputs							
			/	′				
Cost Structure			Revenue Streams					
Free to use the App:			Suggesting safety precautious products to the users .					
Payment for the API			Advertising suitable podcast, videos and phishing awareness blogs					
Cost for the AWS cloud usage	Cost for the AWS cloud usage			Selling our ML model as a API for the other companies who needs this services .				
Cost for the development and testing such as unit and End-to-End testing			Other advertising such as google and Facebook ads .					
cost for training the ML model using the dataset								

App Architecture:





Bot Architecture:



FRONT-END

TECH STACK USED FOR APP

MACHINE LEARNING ALGOS AND APIS

Numpy, Pandas, Pytorch, Scikit-Learn, Matplotlib, Logical Regression Model, NLP - Transformation Model.

BACKEND

DATABASE

Authentication

REACT-JS, GSAP, ChartJs,

NODE JS, Express Js **NEXT-JS FRAMEWORK**

MongoDB, Firebase for

BACKEND SERVER

AWS --> for deployment of original app

FIGMA PROTOTYPE :

https://www.figma.com/proto/w1ulvMBummJr1nKVHZMfXY/Untitled?nodeid=1%3A2153&scaling=contain&page-id=0%3A1&starting-point-node-id=1%3A2153

Source Code Links:

CANVA:

https://www.canva.com/design/DAFZZhqAMO0/fxqg1Bd6AJwq6jG-Wp95UQ/view? utm_content=DAFZZhqAMO0&utm_campaign=designshare&utm_medium=link2&utm_source= sharebutton

YOUTUBE :

GITHUB :





Thank You

Cybercrime is a constant threat, but awareness can be our strongest defense against phishing attacks



