



IVR PHISHING

VELAYUTHAM SELVARAJ

FOUNDER

TWINTECH SOLUTIONS

ABOUT MY COMPANY

Managed Security Services

Security Management

Advanced Threat Services

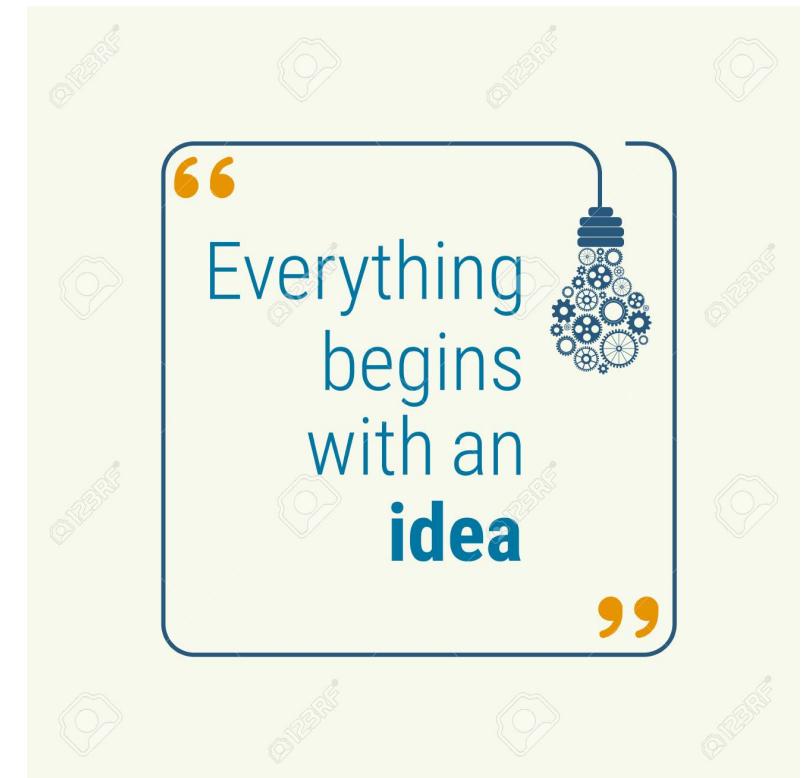
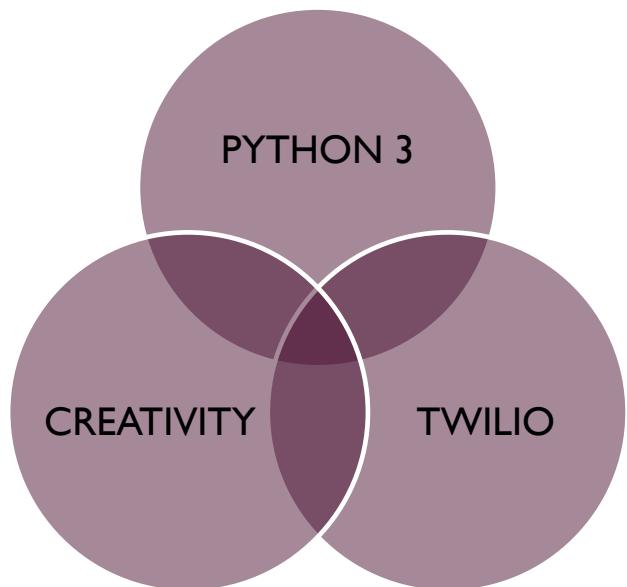
Security Monitoring

Vulnerability Management

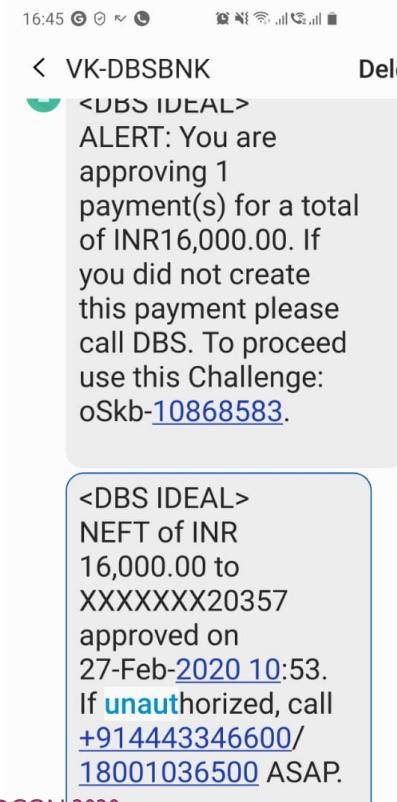
INTERACTIVE VOICE RESPONSE

- **Interactive Voice Response**, into your business's contact center. **IVR** allows incoming **voice** dialers to navigate a phone menu to pull down the right information, perform automatic transactions and lookups, and find the right person to help.
- By combining decoded DTMF tones with some simple web application logic, you'll be building your call center's menu in no time.
- Whenever you hit a number on a telephone touch pad, a unique tone is generated. Each tone is actually a sum of two sinusoids, and the resulting signal is called a dual-tone multifrequency (or DTMF) signal

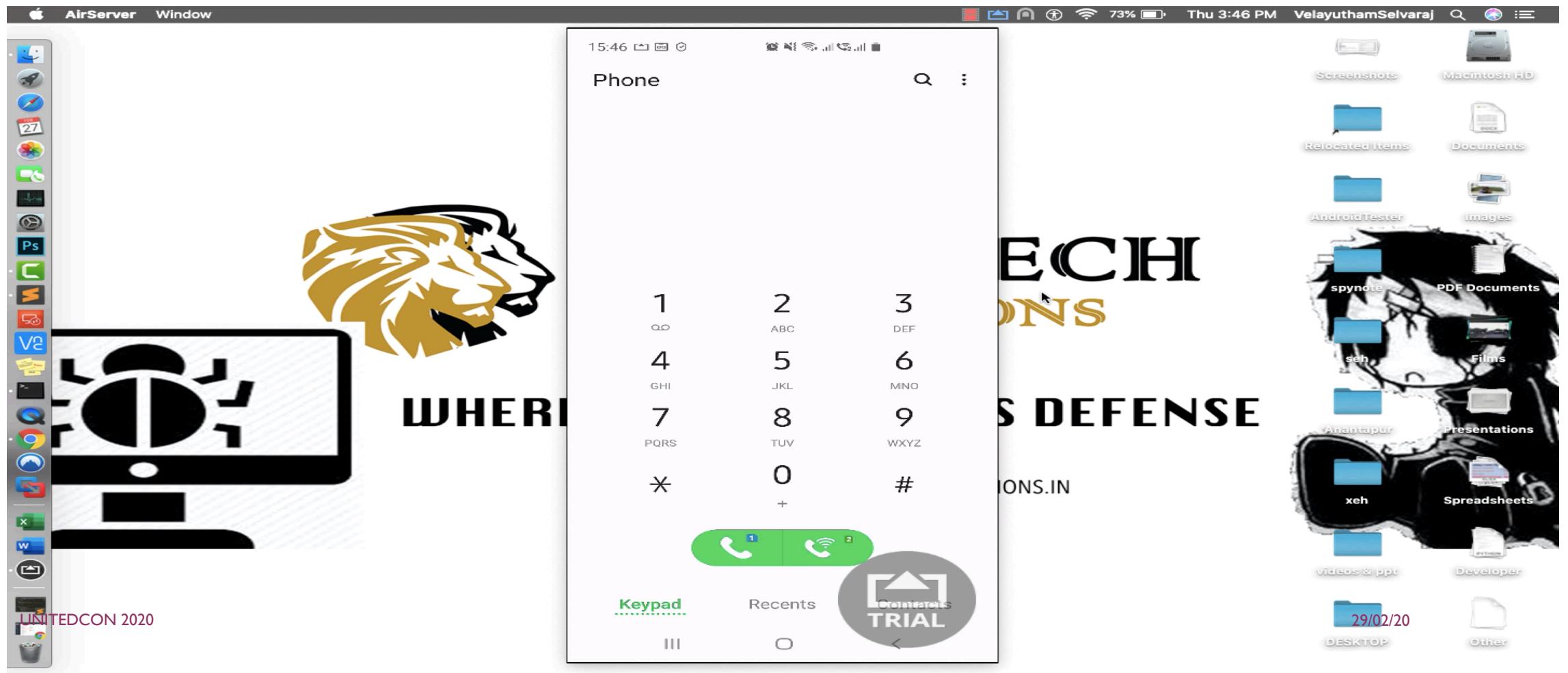
WEAPONISING IT



THE PLAN



DEMO



FUTURE DEVELOPMENTS

- MULTIPLE DIALING OF OUTBOUND NUMBERS
- ADD NGROK CAPABILITY
- MAKE CUSTOM CALL FLOWS
- MAKE CUSTOM CALL INPUT
- SMS CAPABILITY TO BE ADDED

CONCLUSION

- AWARENESS TRAINING ON IVR PHISHING
- TRUECALLER ISNT 100% RELIABLE

REFERENCES

- <http://www.eecs.umich.edu/courses/eecs206/public/lab/lab7/lab7.pdf>
- <https://www.twilio.com/docs/interactive-voice-response>