## HackQuest 4.0

## Contest report

# Contest Date: 2nd November 2019

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| CT ID | DT20195111485 |
| Total Challenges solved | 2 |
| Skills in Security | Reverse Engineering, Application Security |
| Skills in Development | Android, Web(Backend) |
| Other Skills |  |

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| **Challenge Title: Alien Message** |
| **Flag: hq4{They.will.come1}** |
| **Approach (Step by Step):**   1. By looking at Gibberish Message, I had Identified it quickly as Base64 Encoded String. 2. I copy that String into Notepad and Decode from Base64.      1. Dump Decoded content into one file. 2. By looking the Content of File, I realized that its PNG Image.      1. I Changed its Extension to .png and Open Image. 2. And I found QR Code      1. Then I Copy Image and Paste into One Tool Which can read image to scan QR Code      1. Message into QR Code was “Hello Earthians, Nice to meet you. A small gift for you: SAKLFJLDF39878JH” 2. I quickly Submitted Gift “SAKLFJLDF39878JH” to Page and Got Flag. |

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| **Challenge Title: Calling Charlie** |
| **Flag: hq4{hows!the!josh1}** |
| **Approach (Step by Step):**   1. Downloaded Intel Data “accesscode.wav” was Sound File. 2. I run in Media Player and Heard Weird Tone. 3. I Recognise this Tone like Dot, Dash use in Morse Code 4. Short Tone was Dot and Long Tone was Dash. 5. I play it slowly and Note its pattern. 6. I match it with Wikipedia Given Translation for Morse Code to Text      1. I got message “JSDFHJKDSADK43” . 2. I submitted message to page and got Flag. |