

# Yash Sahsani

BLOCKCHAIN DEVELOPER, PENETRATION TESTER

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## Summary

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- To succeed in an environment of growth excellence and earn a job which challenges & helps me achieve personal as well as organizational goals.

## Skills

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**Languages** Python, Java, Solidity, Nodejs, JavaScript, Ruby, Assembly, C++, php.

**Competencies:** Penetration Testing, Cryptography and Network Security, Blockchain (cryptocurrency, hyperledger fabric), Reverse Engineering, Cloud (AWS, IBM, firebase).

**Operating System** Linux, Android, Windows.

## Internship

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### Cilans System

Ahmedabad, Gujarat

BLOCKCHAIN DEVELOPER

April 2020 - June 2020

- Built a Car Selling platform using hyperledger with the help of IBM Blockchain Service and its extension in vscode.
- Designed a second network for implementing Royalty Distribution In Entertainment Industry and wrote the chain-code in nodejs.
- Then deployed both projects to the IBM Cloud and created API and GUI to interact with the IBM Blockchain Service.

## Projects

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### NVCoins

- No Value Coins Crypto currency using Block Chain Technology
- The project contains a basic implementation of a block chain and its client using Python. This block chain has the following features:
  1. Possibility of adding multiple nodes to the block chain.
  2. Proof of Work (PoW).
  3. Simple conflict resolution between nodes.
  4. Transactions with RSA encryption.
- The block chain client has the following features:
  1. Wallets generation using Public/Private key encryption (based on RSA algorithms)
  2. Generation of transactions with RSA encryption.

### RandEncryptor and Decryptor

- This project is for security of important files or documents. This program shreds a important file in small bytes and encrypts these bytes and puts the chunks at random locations on multiple PCs on network or single PC. When we require the file, the pc which was used to shred the file can only generate the file back with the specific key used for the encryption of file.

### Analysis of Different Types of Malwares

- To understand the functioning of various types of antivirus software. Also, tried to create different viruses like Trojan horse, Malware and Ransom ware and tried to evade the antivirus softwares than tried reversing them.

### Web App Penetration Testing

- The project was basically aimed at creating a dynamic MVT based website with little bit of ML, using Django web framework in python, performing penetration testing like sql injections, brute force urls to find hidden files and directories, SSRF, CSRF, Insecure deserialization and RCE.

## Certifications

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- IBM Build an IoT Blockchain Network for a Supply Chain
- IBM Blockchain Essentials
- Network Security & Database Vulnerabilities
- Cybersecurity Compliance Framework System Administration

- Udemy Certifications for Social Engineering and Web App Penetration Testing.
- NPTEL Java Programming.

## Education

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### Charotar University

SECURED 8.5 CGPA UNTIL 3RD SEMESTER IN B.TECH I.T

*Anand, Gujarat*

*June 2018 - Current*

- **ROSARY HIGH SCHOOL**, Vadodara, Gujarat — *Higher Secondary Secondary Studies*

## Activities/Hobbies:

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- Reading, Soccer, Gym, Cross fit, travelling, TV series/documentaries
- CTF (HackTheBox profile): <https://www.hackthebox.eu/home/users/profile/168587>

## Personal Information

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- Date of Birth : 12th July 2000
- Nationality : Indian
- Strengths : Determination, Adaptive, Creative, Hardworking
- Languages Known : English, Hindi