

JUGAL MEHTA

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OBJECTIVE

CEH Certified and Digital Forensics professional with expertise in penetration testing, metadata analysis, and vulnerability assessment. Also certified in Google Cybersecurity and Google Cloud Cybersecurity. Experienced in forensic analysis using tools like Belkasoft, Magnet AXIOM, and Autopsy to extract, analyze, and investigate digital evidence.

EDUCATION

Bachelor of Information and Technology **Oct 2021 - May 2025**

Charotar University of Science and Technology, Gujarat, India

- Expertise in Cyber Security and Cloud Computing
- Underwent research- based project on Mobile Forensics.
- CGPA: 8.42/10 (Till semester - 7)

Higher Secondary Education **June 2019 - May 2021**

- Citizen's School, Surat
- Percentage: 83.41%

Secondary Education **June 2018 - Mar 2019**

- P R Khatiwala Vidhya Sankul, Surat
- Percentage: 87%

INTERNSHIP

1. Cybersecurity Intern – Metadata Analysis and Penetration Testing **May 2024 – Jun 2024**

Kriyavan Cyber Forensic Services Private Limited

- Analyzed metadata from file formats using tools like Autopsy and Python scripts.
- Conducted penetration testing on web applications with Burp Suite, identifying critical vulnerabilities
- **Tools:** Autopsy, Wireshark, Burp Suite | **Language:** Python

2. Web Application Developer Intern **May 2023 – Jun 2023**

FAMEUX

- Developed and deployed the FameUX Canteen web application to streamline canteen operations
- Improved customer interaction efficiency by creating a user-friendly interface
- **Tools:** Visual Studio Code, MongoDB | **Languages:** HTML, CSS, JavaScript

PROJECT DETAILS

1. Creation of Cryptocurrency: Ethereum

Technology: Blockchain, Ganache, Metamask

- Developed an ERC-20 token cryptocurrency on the Ethereum blockchain, enabling users to create and trade digital assets.
- Ensured compatibility with multiple wallets and exchanges by adhering to ERC-20 standards.
- Integrated smart contract functionality for secure and seamless transactions.

2. Web Vulnerability Scanner

Technology: Python, BeautifulSoup, Requests, Socket, JSON

- Developed a Python-based scanner to identify security vulnerabilities such as SQL Injection, XSS, SSRF, and insecure HTTP headers. Implemented multithreading for efficient crawling and generated detailed text-based vulnerability reports.

3. Personal Assistant Mobile Application

Technology: Flutter, Dart, Firebase, Generative AI

- Designed an interactive personal assistant with image and text generation features using PALM-AI and Stability AI

4. DocOnline Web Application

Technology: HTML, CSS, PHP, MySQL

- Built a healthcare management platform enabling appointment scheduling, secure communication, and access to medical records

RESEARCH WORK

1. Mobile Forensics: A Comparative Analysis of Autopsy, Magnet Axiom, and Belkasoft

Technology : Digital Forensics Tools (Autopsy, Magnet Axiom, Belkasoft X)

Conference: 5th International Conference on Electronics and Sustainable Communication Systems (ICESC)- Published on IEEE Xplore

- Conducted a detailed comparative study of three digital forensic tools to evaluate their efficiency and accuracy in mobile device data extraction.
- Analyzed Android and iOS data for insights into performance and recovery capabilities.
- Proposed enhancements for forensic investigation methodologies and mobile data retrieval techniques.

ACHIEVEMENTS

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|---|---|
| • CEHV12 - EC-Council | • Google Cybersecurity - Tata Strive |
| • Android Forensics - Belkasoft | • Ethical Hacking Essential - Codered |
| • IOS Forensics - Belkasoft | • Digital Forensics Essential - Codered |
| • Windows Forensics - Belkasoft | • Database Management System - NPTEL |
| • Google Cloud Cybersecurity - Google Cloud | • Blockchain Foundation program - KBA |
| • Cloud Developing - AWS | • Ethereum Fundamentals - KBA |
| • Cloud Security Foundations - AWS | • Operating System Fundamentals - NPTEL |

SKILLS

Programming Languages: C, C++, Python, HTML, CSS, JavaScript, SQL, Solidity

Cybersecurity Tools: Wireshark, Nmap, Splunk, Xpolog, Kiwi Log Viewer, Kali Linux, Burp Suite

Digital Forensics Tools: Autopsy, Magnet Axiom, Belkasoft X, FTK Imager, OpenStego, DeepSound, Passware Password Recovery Kit Forensic, Advanced Archive Password Recovery, Advanced PDF Password Recovery, MD5 Calc, HashCalc

Cloud & Networking: AWS, Google Cloud, Cisco Packet Tracer

Development Tools: Visual Studio Code, IntelliJ IDEA

Soft Skills: Communication, Critical Thinking, Leadership, Team Management