Ronitraj Sinha

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About Me

Passionate about Cybersecurity and Artificial Intelligence, I am a B.Tech student studying Computer Science and Engineering. My goal is to build a career in cybersecurity, leveraging my technical skills to protect digital assets and mitigate cyber threats. I have a foundational understanding of network security, ethical hacking, and security tools such as Metasploit, Burp Suite, and Nmap. I am certified in cyber security (CC) by (ISC)2. I am eager to collaborate with professionals, expand my knowledge, and contribute to securing organizations from cyber threats.

Education

Parul University, **B.Tech. in Computer Science (AI)** Aug 2021 – Present

Mother of Hope School, Vapi – **12th Grade**
- Percentage: 68.60 / 100

Work Experience

Founder, Jeevaka Health Website
- Founded and developed an AI-powered health platform providing symptom-based disease insights and personalized guidance.
- Led end-to-end development including platform design, feature planning, testing, and deployment.
- Built an interactive system enabling users to receive real-time health assessments through a user-friendly interface.

Major Project (Academic) View Github
- Led a team in developing an AI-based diagnostic application using NLP-driven symptom analysis and machine learning for real-time disease prediction.
- Integrated web scraping and medical data processing to provide accurate health information and automated guidance through an interactive GUI.
- Oversaw project architecture, team coordination, and testing to ensure scalable, user-friendly, and reliable system design.

Minor Project (Academic) View Github
- Led development of a secure steganography-based web application supporting image-in-image encoding, along with message hiding in images, videos, and ciphertext.
- Designed and implemented encoding/decoding logic to ensure high data confidentiality, minimal perceptual distortion, and resistance to detection.
- Coordinated team collaboration, version control, and testing to deliver a reliable and efficient secure communication system.

Author at Chailicious Stories Website
- Wrote and published original short stories and creative blog content for Chailicious Stories, a digital storytelling platform focused on bite-sized, heartwarming narratives inspired by everyday life.
- Developed engaging storylines emphasizing emotional depth, relatable characters, and reader engagement, aligned with the platform's theme of warmth and positivity.
- Collaborated with editors and fellow writers to refine content quality, maintain stylistic consistency, and support audience growth across the platform.

Projects

Jeevaka - AI Diagnosis Live Demo
- Designed and developed an AI-powered health platform providing symptom-based disease insights and personalized health guidance to users worldwide.
- Built an interactive chatbot-style interface for real-time health assessments through natural symptom input and conversational flow.

- Implemented intelligent data processing and medical information retrieval to deliver accurate, reliable diagnostic suggestions.
- Led end-to-end development including system planning, feature design, testing, deployment, and continuous platform improvement.

Steganography Website Live Demo

- Developed a full-stack steganography web application enabling secure hiding and extraction of information using text-in-image, image-in-image, video steganography, and ciphertext-based encoding.
- Implemented LSB (Least Significant Bit) steganographic algorithms combined with encryption to ensure strong data confidentiality and integrity.
- Built image-within-image steganography functionality, allowing an entire image to be concealed inside another image with minimal perceptible distortion.
- Implemented secure backend file processing and encrypted downloads, ensuring safe handling and protection of user data.

Phishing Link Scanner Live Demo

- Designed and developed a web-based phishing link scanner that allows users to input any URL and receive instant phishing detection results via a secure backend analysis engine.
- Built an intuitive frontend interface featuring a link submission form, dynamic scanning status, and contextual phishing threat visualization to enhance user trust.
- Integrated educational modules such as “What is Phishing?”, red flag indicators, statistics, and real-world protection guidelines to improve user awareness and digital hygiene.
- Ensured responsive, accessible UI/UX across devices, combining security insights with practical guidance to help users make informed decisions before clicking unknown links.

Skills

Languages: Python, HTML, CSS, Bash.
Tools: Burp Suite, Metasploit, Nmap, Wireshark.

Certifications

- Certified in Cybersecurity (CC) – (ISC)2
- Metasploit from Scratch – Udemy
- The Complete ISO 27001: Information Security – Udemy
- ISO/IEC 27001 InfoSec Associate – Skill Front
- Introduction to Cybersecurity – CISCO
- Identity Security for AI Age – Saviynt