NILESH SOMANI

Udaipur, Gujarat, India | P: +91 9509468371 | somanin408@gmail.com | LinkedIn | Projects

Skills: Coding, Communication, Web Development, Cybersecurity
Language: HTML, CSS, JavaScript, Node.js, Express.js, C, C++, Python, Solidity
Tools: MS Excel, MS Word, MS PowerPoint, Power BI, Tableau, Kali Linux

EDUCATION

B. Tech in Computer Science, SIR PADMPAT SINGHANIYA UNIVERSITY, Udaipur Jul 2022 - Present

- Bachelor of Technology

Creative Senior Secondary School Bhinder, Rajasthan

- 12th Science, 67.67% Mar 2022
- 10th, 67.67% Mar 2020

INTERNSHIP

Web Development Intern at Vault of Codes Jun 2025

- **Created** a basic HTML **portfolio page** covering sections such as about, skills, projects, and contact.
- **Redesigned** a page using HTML & CSS. **Crafted** a Recipe page that contains ingredients, recipe steps, and a timer.
- **Designed** a **code quest game** using HTML, CSS, JavaScript, and Sortable.js that contains MCQs and sortable puzzles, which includes difficulty modes and tiers.

Ethical Hacking Intern at GenZ Educate Wing Pvt Ltd Jan 2025 – Mar 2025

- **Learned** about **Ethical Hacking** Tools like Nmap, Maltego, Recon-ng, Burp Suite, and Various **Cyber Security** Concepts like Social Engineering, XSS Exploitation, Testing and Assessment, Cryptographic Techniques.
- **Conducted** a Network **Vulnerability Assessment** Project using tools like Nmap, Nikto, and Metasploit to detect live hosts and services, conduct a Web Server Vulnerability Scan, and check for SMB vulnerabilities. Analyzed the output data for vulnerabilities, providing remediation for the identified issues.
- **Conducted** a Wireless Network Security Assessment Project using tools such as NetSpot, Acrylic Wi-Fi Analyzer, Fing, Angry IP Scanner, Wireshark, Npcap, and Nmap to detect wireless device details, including SSID, BSSID, encryption, LAN device discovery, port and service vulnerability scans, and traffic inspection. **Analyzed** the output data for vulnerabilities and their **risk levels**, providing remediation for identified vulnerabilities.

PROJECTS

QR-Based Attendance System Project

- **Technologies:**
  - **Frontend:** EJS templates, HTML5, CSS3, JavaScript, html5-qrcode
  - **Backend:** Node.js, Express.js, JWT-based authentication. **Database:** MongoDB
- **Key Features:**
  - Role-based access (Admin, Faculty, Student) with encrypted passwords and session management
  - Dynamic QR code generation per course session and real-time QR scanning for attendance logging
  - Automatic marking of absent students after the scan window closes, with “already marked” prevention logic
  - Admin dashboard for user management and attendance analytics; Faculty dashboard for QR management and export report
- **Outcome:**
  - Reduced attendance-marking time by 80% and eliminated entry error
  - Delivered a scalable, secure system capable of handling large class sizes and simultaneous scans
  - Facilitated actionable insights through real-time reporting, geolocation tracking (future scope), and late-arrival analysis