Nakul Sharma

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SKILLS

- **Languages**:   C, C++, JavaScript, Prolog , Python,Mern Stack
- **Frameworks**:   Metasploit , Aircrack-ng, Burp Suit
- **Tools/Platforms**: MySQL, Wireshark, Nmap, Kali Linux
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management, Adaptability
- **Technical Skills:** Network security, Virtualization, Linux, IOT

PROJECTS

- **TraceX- Digital Forensics Tool**:   APR`25

  Domain**:** Cybersecurity / Digital Forensics

  Designed and developed a comprehensive digital forensic analysis tool aimed at assisting forensic investigators in data extraction and anomaly detection.

  Implemented features including metadata extraction, anomaly detection, file activity analysis, steganography detection, and hidden file identification to aid forensic investigation.

  Integrated a "De-forensics" module for permanent metadata removal from documents and images to ensure data privacy and compliance.

  Leveraged libraries like Exif Tool, hashlib, Stegodetect, and SleuthKit for advanced analysis and integrity verification across NTFS, Btrfs, and XFS file systems.

  Built a user-friendly interface for uploading files and generating customizable forensic reports in PDF, TXT, and CSV formats.

- **Diano- Password Manager With Encryption:**   OCT `24

  Designed a secure password management system with robust encryption for safe storage and retrieval of credentials

  Features: Integrated a master password authentication mechanism to ensure user identity verification before revealing sensitive information.

  Security Focus: Used advanced encryption algorithms for protecting data and preventing unauthorized access, ensuring confidentiality and integrity.

  User-Friendly Design: Developed an intuitive frontend interface with options for password editing, re-encryption, and viewing, enhancing user experience and security without exposing sensitive

- **Vehicle Accident Alert System V2:**   MAY`24

  Domain: Internet of things | Programming Languages: Micro Python

  Built a Vehicle accident alert system Features: detect the accident and send the alert to emergency contact

  Created a automated system to detect the accident

  Implemented real-time GPS tracking for precise accident location identification, ensuring swift emergency response and Aid provision.

  Utilized machine learning algorithms to analyze sensor data, enabling accurate accident detection and minimizing false alarms for enhanced

CERTIFICATES

- Cyber Security Fundamental BY IBM   June`24
- Created A Voice Assistant with AI And GPT -3 BY IBM   April`23
- BIG Data 101 BY IBM   April`23

EXTRA-CURRICULAR ACTIVITY

- **CDP- Community Development Project At Old Age Home**:   JULY`23

  Actively participated in a community development project focused on improving the quality of life for elderly residents in a local old age home.

Organized and conducted various activities and workshops, including art therapy, fitness sessions, and educational programs, aimed at enhancing the physical and mental well-being of the residents.

- **Cyber Security Bootcamp on Fundamental**:
  Volunteered as a Cybersecurity Bootcamp Assistant.
  Facilitated group discussions and troubleshooting sessions related to cybersecurity exercises.

EDUCATION

- **Lovely Professional University**   Punjab, India

  *Bachelor of Computer Application - **CGPA: 8.00***   *Since August 2022*

- **Maharishi Dayanand Saraswati university**   Rajasthan, India

  *Bachelor of Commerce- **Percentage: 67%***   *May 2019 - June 2022*

- **Nobel Senior Secondary School**   Rajasthan, India

  *Matriculation; **Percentage: 66%***   *June 2018 - March 2019*