Shraddha Pandey

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TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL.
- **Tools:** GitHub, Autopsy, FTK Imager, Nmap, ExifTool.
- **Areas of Interest:** Software Development, Cybersecurity, Digital Forensic.
- **Soft Skills:** Problem-Solving, Self-learning

EDUCATION

Integrated MTech Specialization in Cybersecurity

Vellore Institute of Technology, Bhopal, Madhya Pradesh | CGPA: 8.85 | 2020-2025

Class XII

Girls School, Devendra Nagar, Panna, Madhya Pradesh | Percentage: 95.00% | 2018-2020

Class X

High School, Gukhaur, Panna, Madhya Pradesh | Percentage: 96.80% | 2013-2018

ACADEMIC PROJECTS

WhatsApp Metadata Analysis Framework for Deleted Media

July 2024 – December 2024

- Researched and implemented a digital forensic framework to recover and analyze deleted WhatsApp files on Windows.
- Utilized FTK Imager and Autopsy for data acquisition and ExifTool for metadata extraction and applied machine learning algorithms for metadata analysis with Python.
- This framework aids in reconstructing events, ensuring accurate and reliable forensic investigations for criminal and civil cases, and supporting evidence preparation for legal proceedings.
- **Technology and Tools Used:** Cybersecurity, Digital Forensic, Autopsy, FTK Imager, ExifTool

Forensic Framework for Deleted Media of WhatsApp on Windows

July 2023 – March 2024

- Researched and implemented a comprehensive forensic investigation framework for deleted WhatsApp media on Windows.
- Involved in evidence collection, preservation, data extraction, analysis, and report preparation
- Utilized FTK Imager and Autopsy to generate and scrutinize bit image files, ensuring secure data management and producing legally compliant reports.
- **Technology and Tools Used:** Cybersecurity, Digital Forensic, Autopsy, FTK Imager

Den Guard

January 2022 – April 2022

- Developed a malware detector that actively detects and eliminates malware from host systems to provide robust protection.
- Performed comprehensive cleanup tasks to remove unnecessary files, enhancing system efficiency and ensuring system integrity and dependability during potential attacks.
- **Technology Used:** Python, Cybersecurity, Cryptography

ACHIEVEMENTS

- Awarded the STARS (Support the Advancement of Rural Students) scholarship (June 2020-ongoing)
- Achieved 1st position in district metric in 12th and 2nd position in 10th in Board Examination.
- Earned the NMCM (National Means-Cum-Merit) Scholarship (June 2016 – June 2020)

CERTIFICATIONS

- Junior Cybersecurity analyst, Cisco (May 2023)
- Crash Course on Python, Google (July 2022)

EXTRACURRICULAR ACTIVITIES

- Served as a core member of the Cyber Warrior Club at VIT Bhopal (August 2022- August 2023)
- Participant, AdVITya Event Management Volunteer, Linux Club
- Wrote 4 technical articles as a Content Writer for GeeksforGeeks, reaching an audience of over 5,000+ readers.
- Achieved a 5-star rating in Java on HackerRank and an Institute Rank of 23 out of 7031 on GeeksforGeeks.

ADDITIONAL INFORMATION

- **Hobbies:** Playing Badminton, Drawing, Listening to Music
- **Languages:** English, Hindi