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Profile

Entry-level Cybersecurity Engineer with a strong foundation in ethical hacking, malware analysis, and web security. Proficient in penetration testing, reverse engineering, and security assessment using industry-standard tools across multiple Linux environments.

Education

 **B.Tech, Computer Science Engineering, Dibrugarh University**

2021 – present
Dibrugarh, India

Professional Summary

Cybersecurity enthusiast skilled in penetration testing, vulnerability analysis, and security assessment. Proficient in deploying ethical hacking tools and frameworks across diverse Linux-based environments. Committed to securing, analyzing, and mitigating cyber threats in real-world environments.

Technical Skills

- Cybersecurity & Reverse Engineering:** Burp Suite, Nmap, Nessus, Metasploit, Maltego, Hydra, Radare2 (Reverse Engineering), Malware Analysis, Steganography, Web Application Security, Network Security
- Programming Languages:** Python, C++, C, HTML, CSS, JavaScript
- Machine Learning & AI:** Graph Neural Networks (GNN)
- Databases & Backend:** MySQL, Firebase, MongoDB
- Tools & Frameworks:** Node.js, React, Streamlit, Tkinter, Scapy
- Operating Systems:** Kali Linux, ParrotOS, Ubuntu
- Deployment & DevOps:** Netlify

Internship

- Edunet Foundation, Cyber Security (AICTE Internship)**

Jan 2025 -
Feb 2025
Remote

Conducted over 10 cybersecurity exercises, including Steganography, SQL Injection, IDS, and cryptographic methods, improving detection speed by 25%.

- Indian Institute of Technology Guwahati, Artificial Intelligence and Machine Learning**

Aug 2023 -
Sep 2023
Remote

Built and deployed a movie recommender system achieving 87% user preference match accuracy, enhancing user engagement in test environments.

- Office of the Executive Engineer, Govt. of Assam, Asom Mala Project Intern**

Aug 2022 -
Sep 2022
Sivasagar,
India

Supported infrastructure planning for road development under Asom Mala, streamlined workflow documentation and reduced project reporting errors by 20%.

Certifications

- Google Cloud Computing, *Google Cloud*
- Machine Learning, *Internshala*
- Web Development and Designing , *Oasis Infobyte*
- Web Development, *Internshala*
- Ethical Hacking Course, *Internshala*
- Ethical Hacking, *Homeflie Wegrow*

Sep 2024 – Nov 2024
Jun 2024 – Aug 2024
Jun 2024 – Jul 2024
Mar 2023 – Jul 2023
Jan 2023 – Mar 2023
Jan 2022 – Feb 2022

Projects

. SniffNet: Packet Sniffer

Mar 2025 – Apr 2025

Designed a Python-based packet sniffer using Scapy and Tkinter, capturing up to 55 packets/sec with <1 s latency, enhancing real-time traffic analysis. | **Python, Tkinter, Scapy, Threading**

. PassStrong: Password Strength Checker

Feb 2025 – Feb 2025

Created a password strength analyzer with 95% accuracy using entropy scoring and custom heuristics to assess user-generated passwords. | **HTML, CSS (Tailwind), Javascript, Flask, REST API**

. StegaCrypt: Steganography Message Encoder

Jan 2025 – Feb 2025

Engineered a steganography tool with 98% message retrieval accuracy using LSB encoding. | **Python, OpenCV, Least Significant Bit (LSB) Encoding, Streamlit**

. Neighbourhood: Cafe Website

Nov 2024 – Dec 2024

Built a café website boosting online visibility by 40% using Firebase and responsive design. | **HTML, CSS, Javascript, Firebase**

. Graph-Based Malware Analysis Using Graph Induction Learning:

Oct 2024 – Present

Building a model to classify files as Malicious or Benign using Control Flow Graphs (CFGs). | **Python, Radare2, Pytorch, Graphviz, Graph Neural Networks**

. Resultify: Student Result Generation System

Sep 2024 – Nov 2024

Automated result processing for 50+ students, reducing manual effort by 70%. | **JavaFX, FXML, Core Java, JDBC, MySQL**

. Detecting Fake News with AI:

Aug 2024 – Present

Constructed an AI-powered fake news classifier achieving 92% accuracy using RNNs, CNNs, and Transformer models. | **Python, Streamlit, Keras, TensorFlow, Pandas, Scikit-learn, NLTK, TfidfVectorizer**

. Detecting Lease price with ML & historical data:

May 2024 - Jul 2024

Built a house price prediction model with <10% error, leveraging historical data and ML techniques. | **Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Streamlit**

Leadership / Extracurricular

. Student Convener, METAPOISE v1.0

2024

Annual Techno Cultural Fest of Department of Computer Science and Engineering, Dibrugarh University

. Brand Ambassador, Physics Wallah

Jan 2024 - Present

. Class Representative, Dept. of CSE

Mar 2022 - Present