Hridhya P

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Profile

A Cybersecurity Analyst specializing in Digital Forensics and Incident Response (DFIR), with a particular focus on Android systems.My work in DFIR includes leading projects that involve analyzing and mitigating security incidents across various platforms.Regular participant in Capture The Flag (CTF) challenges to further sharpen technical skills.Committed to continuous learning and staying current with the evolving cybersecurity

Education

Electrical and Computer Engineering, *Amrita Vishwa Vidyapeetham*   10/2022 – 2026
CGPA - 8.1   Kollam, India

Secondary and Higher Secondary, *Bishop More Vidyapith*   Mavelikara, India
10th Percentage - 94%
12th Percentage - 92%

Projects

Challenge Author in IC3-Asia, *Traboda*
Authored a android based challenge for International Cybersecurity Challenge held in Asia.

Ext4 Tool Updation, *DFC-korea*
Modified and upgraded Sleuth kit an android tool by developing a tool to break modern android encryption using fbe key.

AVI Video Fixer, *bi0s*
A Python script designed to rectify issues within AVI video files by reconstructing the IDX1 index table, which facilitates accurate file indexing and seeks operations.

Basic Pool Tag Scanner, *bi0s*
Developed a pool tag scanner for Windows memory analysis to detect and expose hidden processes.

Drone Log Parser, *DFC-Korea*
Developed a drone parser that enables efficient analysis and visualization for performance monitoring and anomaly detections.

Interests

- Digital Forensics and Incident Response
- Malware Analysis in Windows OS
- Android Security
- Cloud

Skills

Problem-solving & Analytic thinking
Regularly competing in cybersecurity challenges showcases strong problem-solving skills and quick analytical thinking.

Organizational skills
Organized ShaktiCTF'24 a fourty-eight hour international ctf focused to increase the partake of women in the field of cybersecurity.

Event management
Coordinated an Shakticon an international global conference held on Jan,2024.

Leadership experience
Demonstrated leadership by mentoring juniors and resolving team challenges

Community Outreach programs

SSR Project, *Thazhava GHSS*

08/2024
Thazava, India

As a part of the Student Social Responsibility project held in Amrita Vishwa Vidyapith took an awareness session for high school students on the topic 'Train your brain' to improve focus and mental resilience in the digital age.

Certification

Belkasoftx Android Forensics Course,
Completed Android Forensics course with Belkasoftx followed by a perfect exam score.

Belkasoft Windows Forensics Course

Workshops attended or conducted

PE File Structure

12/2023

Took a session on the file structure, analyzation and detection of any anomalies.

Network Security

08/2024

Took a session on network security for 1st year cyber security students in Amrita Vishwa Vidyapeetham.

Android EXT4 Filesystem

11/2024

Took a session on ext4 filesystem and how to debug it using sleuth modifications on Digital Forensics Working Day held at Korea.

Achievements

RVCExIITB CTF'24

01/2024
Bangalore, India

Was selected to attend RVCExIITB CTF'24 finals held at R V College of Engineering ⧉ conducted by IIT Bombay.

Digital Forensics Tech Contest

11/2024
Seoul, Korea

Recieved third place in Tech contest which was conducted by KTSU.

W3CTF

03/2024
Bangalore, India

Secured third place in w3ctf and was invited to attend the bsides conference in Banglore.

Language Proficiency

- English & Malayalam,o Read, write, Speak and Understand.
- Tamil & Hindi to speak and understand fluently.