

Bakku Sai Swaroop

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Education

B.Tech in Computer Science and Engineering with specialization in Cybersecurity 2021 – 2025
CGPA: 8.60
Amrita Vishwa Vidyapeetham, Chennai

Intermediate Education 2019 – 2021
Percentage: 94.8
Sri Chaitanya Jr College, Visakhapatnam

Projects

Securing Evidence Logs with BlockChain present

- Developed a decentralized system for securing evidence logs using Hyperledger and Docker Swarm, ensuring tamper-proof and auditable records.
- Integrated Hyperledger Fabric with Docker Swarm for scalable blockchain network deployment, enhancing security and data transparency.

HoneypotSentry Feb 2024

- Developed and simulated a Python-based honeypot system, to track users and log their activities, including IP addresses, public IPs, and geolocations.
- Integrated an alert system in HoneypotSentry, triggering notification popups with sound upon detection of malicious activities.

DGA based botnet detection using LSTM Nov 2023

- Implemented a LSTM based model which Classifies the given domain as legit or belongs to a botnet.
- The best accuracy we got from the LSTM model is 98.56%. This accuracy came from a simple one-layer LSTM.

Buffer Overflow Detection Using RNN Nov 2023

- Given a C code, the model Detects a buffer overflow by analyzing sequences of memory access patterns.
- The model performs multiclass prediction and achieved an accuracy of 93%.

Skills

Programming Languages

Java, python, JavaScript, PHP

Software/Tools

Wireshark, Burpsuite, Nmap, Nessus, Metasploit, Autopsy, Android Studio

Courses

Certified Ethical Hacker v12 (Certification Number: ECC1928503674)  Nov 2024
Ec-Council

Networking Fundamentals in Cloud  Jan 2024
Google