

Amod Yadav - Cybersecurity Resume

Amod Yadav

Bangalore, Karnataka, India | amodyadav091998@gmail.com | +91 7070953996

GitHub: <https://github.com/YadavAmod> | LinkedIn: <https://www.linkedin.com/feed/>

Objective

A highly motivated cybersecurity enthusiast and intern with hands-on experience in securing digital systems and enhancing information security. Passionate about applying technical knowledge and innovative solutions to protect against cyber threats while continuously learning and growing in the field.

Education

Bachelor of Technology in Computer Science and Engineering (CSE)

Bangalore Technological Institute, VTU University

CGPA: 9.2

Skills

- Cybersecurity Expertise: Threat detection, vulnerability assessment, ethical hacking, network security
- Programming Languages: Python, Java, JavaScript
- Tools & Technologies: Wireshark, Metasploit, Burp Suite, Kali Linux
- Frameworks & Platforms: Django, NumPy, Pandas
- Soft Skills: Analytical thinking, problem-solving, teamwork

Experience

Amod Yadav - Cybersecurity Resume

Cybersecurity Intern

KnacTech eLearning Pvt. Ltd. (Certified by Wipro)

(Ongoing)

- Working on identifying and mitigating cybersecurity vulnerabilities in real-world systems.
- Conducting risk assessments and implementing strategies to strengthen system security.
- Gaining expertise in threat analysis, incident response, and vulnerability management.

Cybersecurity and Ethical Hacking Intern

VaultCode

- Completed a one-month intensive internship focused on ethical hacking and cybersecurity fundamentals.
- Acquired practical skills in identifying vulnerabilities and securing digital infrastructures.

Projects

1. SmartSentry: Cyber Threat Intelligence in Industrial IoT

- Developed a robust system to detect and mitigate various cyber threats targeting Industrial IoT systems.
- Utilized machine learning and deep learning algorithms, including Decision Trees, Random Forest, Support Vector Machines, and Deep Neural Networks, to classify and predict attack types.
- Designed a real-time monitoring dashboard for tracking and responding to detected threats.
- Improved threat detection accuracy and provided actionable insights for enhanced industrial security.
- GitHub: <https://github.com/YadavAmod/SmartSentry>

Amod Yadav - Cybersecurity Resume

2. Real-Time Threat Detection System

- Developed a Python-based tool for monitoring system activities and detecting cyber threats.
- Implemented features for CPU, memory, and network usage monitoring with real-time updates.
- Enhanced detection accuracy by integrating machine learning models for anomaly classification.
- GitHub: <https://github.com/YadavAmod/RealTimeThreatDetection>

3. Secure Login System with Multi-Factor Authentication

- Designed a secure login application using Django with MFA for enhanced security.
- Encrypted sensitive user data using advanced hashing algorithms.
- Conducted extensive penetration testing to identify and resolve vulnerabilities.
- GitHub: <https://github.com/YadavAmod/SecureLoginMFA>

4. Automated Malware Detection System

- Developed a machine learning-based system to classify and detect malware in executable files.
- Implemented static and dynamic analysis techniques to improve detection rates.
- Built a web-based dashboard to visualize malware trends and provide detailed threat reports.
- GitHub: <https://github.com/YadavAmod/AutomatedMalwareDetection>

5. Network Intrusion Detection Using Snort

- Configured and deployed Snort to detect network intrusions and potential attacks in real-time.
- Designed custom rules for detecting specific attack patterns such as SQL injection and brute force.
- Analyzed log data to identify and mitigate vulnerabilities in the network.
- GitHub: <https://github.com/YadavAmod/NetworkIntrusionDetection>

Amod Yadav - Cybersecurity Resume

Certifications

- Certified Ethical Hacker (CEH) - [Certification Authority, if available]
- CompTIA Security+ - [Certification Authority, if available]