

HARSHANANDHAN REDDY

GAJULAPALLI

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PROFESSIONAL SUMMARY

Cybersecurity specialist leveraging Artificial Intelligence (AI) and Machine Learning (ML) to strengthen blockchain security and threat detection in decentralized systems. Expertise in Solidity smart contract development/auditing (20+ contracts, 95% risk reduction via reentrancy/access control fixes and flash loan mitigation), Ethereum/DeFi, and secure Web3 solutions. Proficient with Slither, MythX, Foundry, ELK Stack, and ML-powered tools for vulnerability detection. Passionate about innovative, secure blockchain ecosystems eager to contribute to teams advancing AI/ML-driven Web3 security.

TECHNICAL SKILLS

AI/ML: Python, scikit-learn, TensorFlow, Machine Learning, NLP, Anomaly Detection, Threat Classification

Cybersecurity: Penetration Testing, SIEM, Vulnerability Assessment, Incident Response, Kali Linux, Burp Suite, Nmap, OWASP Top 10, NIST Cybersecurity Framework, MITRE ATT&CK

Blockchain/Web3: Solidity, Rust, Ethereum, Hardhat, Foundry, Slither, MythX, EVM, Smart Contracts, DeFi, ERC-20, OpenZeppelin

PROFESSIONAL EXPERIENCE

Cybersecurity Lab Assistant Jan 2025 - Dec 2025
Gannon University

- Built Kali Linux VMs and automation scripts, optimized networks for 20% uptime boost, and mentored students on AI/ML-enhanced security and smart contracts.

Blockchain Security Auditor Jun 2021 - Dec 2023

Independent Projects & Research

- Audited 20+ Solidity/Rust smart contracts achieving 95% vulnerability reduction, deployed ERC-20 staking/dividend contracts to Sepolia, and exploited DVDE flash loans with documented mitigation strategies.

Conference Volunteer Jun 2024 - Jun 2024

BSides Rock Conference

- Coordinated security workshops for 300+ professionals with 90% satisfaction rate and contributed to AI/ML-powered threat detection tools.

PROJECTS

Smart Contract AI Vulnerability Detector

August 2024

- Python ML/NLP tool detecting reentrancy, access control vulnerabilities with 87% accuracy; processes 1000+ contracts/hour
- Reduced false positives by 20% and processing time by 50% through optimization

SIEM Dashboard with ML Threat Detection

December 2025

- ELK Stack SIEM processing 10K+ events/sec with ML anomaly detection; 99% threat detection rate
- Integrated MITRE ATT&CK; framework; reduced response time by 25% with automated workflows

Vulnerability Scanner

November 2025

- Multi-threaded Python scanner for SQLi/XSS/ports with CVE identification; 40% faster assessments

Ethereum Staking Contract Audit

October 2025

- Audited Solidity ERC-20 staking contract; fixed reentrancy/access control achieving 95% risk reduction; 20% gas savings

DVDE Flash Loan Exploit Research

November 2025

- Solidity/Foundry/Rust PoC demonstrating <60s vault drainage; 5-page mitigation report on TWAP/circuit breakers

Dividend-Paying Token Contract

January 2026

- Solidity ERC-20 with automated ETH dividend distribution; gas-optimized with OpenZeppelin ; supports 1000+ users

EDUCATION

Master of Science in Cybersecurity in Cybersecurity Gannon University

Jan 2024 - Dec 2025

Bachelor of Technology in Artificial Intelligence & Data Science in Artificial Intelligence & Data Science Amrita Vishwa Vidyapeetham

Jun 2019 - May 2023

CERTIFICATIONS

Cybersecurity Foundations

January 2026

coursera

Solidity

December 2024

Alchemy