ARVIND SAI DOODA

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WORK EXPERIENCE

Cybersecurity Analyst Virtual Intern, TCS Forage   Jul 2024 – Aug 2024
- Designed an IAM plan to streamline user access and secure onboarding/offboarding.
- Built Splunk dashboards for simulated threat monitoring, reducing response time by 30%.
- Conducted security audits and applied cryptographic protocols, improving security posture by 20%.

Cyber Security Intern, Excelerate   May 2023 – Jul 2023
- Monitored network traffic and security logs using Splunk Enterprise Security and Wireshark, identifying anomalies and potential threats.
- Investigated phishing and ran vulnerability scans using OpenVAS and Nmap, enhancing detection accuracy by 15%.
- Automated tasks with Python, documented incidents, and configured firewalls to enhance data security.

Software Engineer (Graduate Engineer Trainee), Renault Nissan Tech & Business Centre India   July 2022 – June 2023
- Monitored network traffic using SIEM tools (Splunk, QRadar) and analysis tools (Suricata, tcpdump), identifying and mitigating security threats and IoCs, leading to a 30% improvement in incident detection time.
- Executed SQL queries on MariaDB to retrieve and analyze login activity, focusing on failed login attempts and after-hours activity, improving threat detection by 20%.
- Utilized Splunk and Chronicle to analyze logs, streamlining escalation and reducing response time by 15%.
- Applied vulnerability management techniques, including CVE lists and the Defense-in-Depth model, prioritizing and resolving critical vulnerabilities to mitigate security risks by 25%.
- Conducted incident response using playbooks, chain of custody documentation, and multi-factor authentication (MFA), reducing the risk of unauthorized access by 40%.
- Tested and strengthened password policies using tools like John the Ripper and Hashcat, identifying and addressing vulnerabilities, resulting in a 30% increase in password security.
- Collaborated with global teams to ensure compliance with NIST and ISO 27001 frameworks, contributing to cloud security improvements and achieving 100% compliance during annual audits.

Cyber Security & Digital Forensics Intern, Gurugram Cyber Cell   Jun 2021 – Jul 2021
- Investigated cybercrime cases using Autopsy and Python for forensic analysis.
- Analyzed TCP/UDP traffic with Wireshark and supported incident response via SIEM alerts.
- Automated forensic data extraction and log analysis using Python scripts, improving investigation time by 15%.

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY   Aug 2023 – May 2025
Master of Applied Science (M.A.S), Cybersecurity Engineering, Chicago, IL

ANNA UNIVERSITY   May 2019 – May 2023
Bachelor of Engineering, Computer Science, Tamil Nadu, India

SKILLS

Extensive Experience – Expert

Python • Java • Shell Scripting • Bash • SQL • Git • NodeJS • ReactJS • HTML • CSS • Splunk • QRadar • Chronicle SIEM • Wireshark • Burp Suite • Nmap • Metasploit • Suricata • tcpdump • Penetration Testing • Vulnerability Assessment • CVE Triaging • IAM • Terraform • AWS • Google Cloud Platform (GCP) • OWASP Top 10 • Cloud Security • HIPAA

Moderate Experience – Skilled

Windows Server • Linux Administration • Docker • VMware • CrowdStrike • Reverse Engineering • OpenVAS • Threat Intelligence • TCP/IP • RPA (IAutomate, UIPath) • NIST 800-53 • ISO 27001 • CloudTrail • GuardDuty • MITRE ATT&CK

PROJECTS

For more projects and demos, visit at https://arvind.netlify/projects *and my GitHub* https://github.com/Arvindsai
The site was developed using **React.js**, **JavaScript**, **HTML/CSS**, *and deployed via* **Netlify**.

RecruitIntel – AI-Powered Job Scam Detection Tool | In Progress (Personal Project)   June 2025 – Present
Role: AI & Security Developer | **Tech:** JavaScript, Chrome APIs, GPT-4, DOM, Chrome Storage
- Developed a Chrome extension that flags fraudulent recruiter messages using "GPT-4" and heuristic-based phishing signals.
- Integrated real-time risk scoring, scam pattern detection (e.g., impersonation, urgency bait), and SVG-based visual cues.
- Includes exportable analysis history, storage sync, and a polished dark-mode UI with trust feedback.
- Designed for user safety, transparency, and automated scam awareness on platforms like LinkedIn.

MIPS Measure Evaluation System (Healthcare AI) | College Project   March 2025 – May 2025
Tech: Python, Streamlit, GPT-4o Mini, LangChain, Pinecone
- Built an AI-powered app using LangChain + RAG and GPT-4o Mini to evaluate MIPS healthcare measures from synthetic clinical notes.
- Integrated **Pinecone vector search** and a JSON-based pipeline for patient data processing, supporting both single and batch evaluations with explainable outputs.

Hybrid Intrusion Detection System using Machine learning | College Project   Oct 2024 – Dec 2024
Tech: Python, Scikit-learn, SMOTE, XGBoost, Suricata
- Built a **Hybrid IDS** combining **NIDS and HIDS**, achieving **97.1% DoS** and **93.8% SQL Injection detection accuracy** using Random Forest, XGBoost, and Ensemble models.
- Applied **SMOTE** to improve minority class detection by **15%** and documented performance metrics for system scalability and continuous improvement.

Decentralized Voting System using Ethereum Blockchain | Personal Project   Dec 2023 – April 2024
Tech: Solidity, JavaScript, MetaMask, JWT
- Built a tamper-resistant voting platform using **Solidity smart contracts**, with **real-time vote tallying** and secure admin controls.
- Integrated **MetaMask** for on-chain interactions and **JWT-based authentication** to ensure transparent, auditable, and secure voting.

CERTIFICATIONS

Security & Offensive Training: Google Cybersecurity Certificate, **Security+** (CompTIA), Practical Ethical Hacking (TCM), CyberOps Associate (Cisco), CCNA (Cisco), CNSS - Certified Network Security Specialist (ICSI)
Compliance & Risk: ISO/IEC 27001 (Skill Front), HIPAA (Leap of Faith)
Cloud & Platform Security: Cloud Security (EC-Council)

ACHIVEMENTS & ACTIVITIES

Capture the Flag (CTF)
- *Ranked **228th globally** in **Reply Hack the Code 2025** CTF (Web, Crypto, Misc).* | *Link*
- ***70th Rank out of 3.5K** Participants in **CyberQuest US Cyber Challenge 2024** | *Link**
- ***Top 300** in the **National Cyber League (NCL) 2024** Individual Competition, showcasing expertise in Forensics, Binary Exploitation, Web Exploitation, OSINT, Cryptography, Password Cracking, and Log Analysis.*

Hackathons & Jams
- ***1st place National Winner**, **Flipkart Grid 3.0 Hackathon 2022** (Robotics) - Developed a Central Monitoring and Navigation System for Robots, competing against **9,549 teams** across India.* | *Link*
- ***3rd Place, Inno Hacks 2022 - Built AI voice cloning tool**, ranking top 3 out of **2,526 teams** nationally*

Volunteering & Community
- *Member, **Global Cyber Security Initiative (GCSI),** 2024*

Publication -"Deep Fake Voice Synthesizer (Voice Cloning) ," *IJARSCT, Volume 3, Issue 3, May 2023*