

# ARVIND SAI DOODA

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## WORK EXPERIENCE

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**Cybersecurity Intern, Excelerate** May 2023 – Jul 2023

- Investigated and triaged security events using Splunk and QRadar, improving threat detection and response time.
- Built and tuned detection rules, correlation queries, and dashboards to monitor brute force and unauthorized access.
- Onboarded and enriched log data from various sources, enhancing SIEM visibility and forensic traceability.

**Software Engineer Intern (Data Security Analyst), Renault Nissan Technology Business Centre India** July 2022 – June 2023

- Ensured data integrity and security compliance through SQL query optimization and variance analysis, maintaining 100% accuracy in secure data extraction processes
- Implemented data protection protocols and access controls during Google Cloud Platform migrations, safeguarding sensitive automotive data
- Applied data governance frameworks and secure visualization practices using Tibco Spotfire and Python, reducing data processing vulnerabilities by 25%
- Automated secure data workflows and dashboard updates, eliminating manual security risks and reducing operational exposure by 10%
- Collaborated with international clients across Europe (Italy, France) to deliver secure data solutions, ensuring compliance with regional data protection requirements

**Technical Support Assistant, S4 INTERIORS & ARCHITECTS** Jul 2021 – June 2022

- Configured and maintained TCP/IP networks, DHCP/DNS, and Active Directory across multi-location offices, managed Windows domain environments, routers, switches, and Wi-Fi access points.
- Delivered Tier 1-2 support to 15+ end users on Windows 10/11 and macOS, implementing MFA, endpoint protection, and routine patch management to enhance cyber hygiene.
- Administered Google Workspace for cross-site teams, establishing secure file-sharing policies, managing user access, and enforcing best practices for confidential architectural data.
- Managed complete device lifecycle (procurement to secure disposal), coordinated vendor relations, and maintained compliance through asset tracking and software license audits.

**IT Security Analyst, Gurugram Cyber Cell** Jun 2021 – Jul 2021

- Monitored network performance and server health while resolving connectivity issues to maintain optimal system availability and implementing data backup procedures using Veeam to ensure data integrity and recovery capabilities.
- Developed and maintained IT security policies aligned with organizational best practices, documented security incidents and corrective actions to strengthen overall security posture and compliance requirements.
- Provided hands-on IT support for virtualization environments and user account management, implementing role-based access control (RBAC) to safeguard sensitive information and maintain proper access permissions.
- Automated routine administrative tasks using scripting languages and configuration management tools, collaborating with cross-functional teams to implement process improvements that enhanced system performance and operational efficiency.

## SKILLS

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**Security Tools:** Splunk, QRadar, Chronicle SIEM, Azure Sentinel, CrowdStrike, Burp Suite, Metasploit, OpenVAS, Wireshark, Hashcat, John the Ripper, Autopsy, Volatility

**Cloud & Programming:** AWS, GCP, Terraform, Docker, Python, Bash, SQL, Java, NodeJS, Git, CI/CD, CloudTrail, GuardDuty

**Security Operations:** Penetration Testing, Vulnerability Assessment, Threat Intelligence, Incident Response, Digital Forensics, Zero Trust Architecture, DevSecOps, API Security

**Identity & Access:** Active Directory, RBAC, IAM, Okta, CyberArk, Zscaler, SASE, Jenkins Security, Snyk

**Frameworks & Compliance:** NIST 800-53, ISO 27001, HIPAA, PCI-DSS, MITRE ATT&CK, OWASP Top 10

## 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, PostgreSQL
- Engineered AI-powered Chrome extension integrating GPT-4 and custom ML models to detect recruitment scams with 98% accuracy, protecting job seekers from fraudulent recruiters on LinkedIn and other platforms
  - Built full-stack architecture with React UI, Node.js backend, and Chrome Manifest v3 compliant extension
  - Developed real-time threat correlation system implementing automated risk scoring and scam alerting mechanisms
  - Created scalable cybersecurity platform processing thousands of threat assessments with enterprise-grade data pipeline

**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.

**TCS Forage – Virtual Internship** Jul 2024 – Aug 2024

- Executed an in-depth analytical review of extensive transaction datasets involving over 100k transactions to detect fraud patterns, contributing to the development of robust security measures against financial payment service breaches.
- Spearheaded the integration of advanced security protocols and enhancements, increasing the integrity of the online payment environment by 40% and boosting customer trust significantly.

## 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)

## ACHIEVEMENTS & COMPETITONS

- Capture the Flag (CTF) & competitions**
- 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](#)
  - **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](#)
- Publication** - “ [Deep Fake Voice Synthesizer \(Voice Cloning\)](#) ,” IJARSCT, Volume 3, Issue 3, May 2023

## EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY	Aug 2023 – May 2025
<b>Master of Applied Science (M.A.S), Cybersecurity Engineering</b> , Chicago, IL	GPA: 3.40/4.0
ANNA UNIVERSITY	May 2019 – May 2023
<b>Bachelor of Engineering, Computer Science</b> , Tamil Nadu, India	GPA: 8.7/10