Suriyah Saravanan

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Education

Florida Atlantic University — Boca Raton, FL

Bachelor's in Management Information Systems, Cybersecurity | ***Major GPA: 3.90*** — *Aug. 2022 – Aug. 2026*

- Study Abroad: Accelerated Summer Academic Program in Dublin, Ireland — June 2026 – July 2026

Experience

IT Security & Automation Intern — Jan. 2026 – Aug. 2026

Delray Beach Fire Rescue — *Delray Beach, FL*

- Engineered a hybrid AI redaction engine (Python, EasyOCR, spaCy) to automate HIPAA-compliant PII detection in scanned documents (TeleStaff, ESO EHR), significantly improving operational efficiency and data protection
- Developed Playwright and Pandas automation scripts to normalize sensitive payroll and mission-critical datasets, eliminating 7+ hours of manual processing per cycle while ensuring data integrity and compliance
- Automated IAM workflows and record synchronization in ESO EHR, and engineered a custom multithreaded Active Directory security auditing application (Python, LDAP, OpenPyXL) to detect domain misconfigurations and automate vulnerability reporting

IT Security & AI Systems Intern — Sep. 2025 – Nov. 2025

GBDC Entrepreneurship Institute — *Boynton Beach, FL*

- Fine-tuned a Hugging Face LLM chatbot on proprietary organizational data using securely engineered synthetic JSON datasets, achieving 99% accuracy while maintaining strict data privacy controls
- Built vulnerability management workflows to remediate SSL/TLS certificate failures and decommission legacy Windows 7 systems, hardening 25+ endpoints against CIS benchmarks and reducing attack surface by 50%
- Engineered a full-stack educational game (Python, JavaScript) to gamify foundational Python and security concepts; optimized site-wide JS performance and UI responsiveness to improve functional uptime and user experience

IT Operations & Support Intern — Jan. 2023 – June 2023

Florida Atlantic University — *Boca Raton, FL*

- Executed the imaging and deployment of 50+ Windows workstations using enterprise deployment software; ensured baseline security and standardized operating environments across campus
- Resolved complex hardware and software tickets for ongoing classroom environments; maintained critical system uptime for university instruction and high-profile off-campus events
- Led hardware refreshes and integrated new technology in classroom upgrades; managed technical logistics for diverse environments to optimize institutional resources

Projects

Purple Team Lab | Link: https://github.com/ahsoorah/purple-team-lab — Feb. 2026

- Built a Purple Team lab using Kali Linux, Metasploitable, and Wazuh SIEM to simulate and detect real-world exploits (Metasploit vsftpd backdoor), validating end-to-end log ingestion and detection rules

Certifications

CompTIA Security+ SY0-701	Expected Sep. 2026
CJIS Security & Privacy Awareness	April 2026
HIPAA Privacy & Security	Feb. 2026
Google Cybersecurity Professional	Dec. 2025
Commonwealth Bank Cybersecurity	March 2025
Microsoft Office Specialist: Excel Associate	April 2024

Technical Skills

Security & Compliance: NIST CSF, CIS Benchmarks, IAM (PoLP), Vulnerability Management, SIEM (Splunk/Wazuh), Wireshark, Autopsy, HIPAA, CJIS, KnowBe4, GRC, Incident Response

Systems & Cloud: Active Directory (GPO/OU Hardening), AWS (EC2/S3), Kubernetes, Linux (Kali/Ubuntu), Windows Server, Docker, SSL/TLS Remediation

Languages & AI: Python (Pandas/Playwright/NLP), SQL, Bash, PowerShell, JavaScript, LLM Integration (OpenAI/Anthropic/Vertex AI/Hugging Face), Synthetic Dataset Generation