

Lalitha Samyuktha Jayanthi

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Visakhapatnam

Value Proposition

Data Science graduate with a strong foundation in information security, cloud computing, and data engineering. Passionate about ensuring security and compliance in technology infrastructures. Skilled in analyzing security risks, managing compliance documentation, and developing secure applications through hands-on projects. Eager to contribute as an Information Security Intern, leveraging analytical skills and knowledge of security certifications to support customer audits and process improvements.

Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

Technical Proficiencies

- Security & Compliance: Risk Assessment, Vulnerability Scanning, Compliance Auditing (SOC 2, ISO 27001, PCI-DSS knowledge), CSA CAIQ
- Technical Skills: Python, SQL, PySpark, Azure Data Factory, Databricks, Kali Linux, Wireshark, Nmap
- Soft Skills: Strong Analytical and Research Abilities, Excellent Written and Verbal Communication, Organizational Skills for Meeting Deadlines
- Tools & Platforms: Google Colab, Burp Suite, Metasploit, Microsoft Office Suite, SFDC Platform

Projects

Cloud Security Compliance Dashboard

- Developed a web-based dashboard using Python (Flask) and Azure cloud services to simulate compliance monitoring for cloud environments, incorporating standards like SOC 2 and ISO 27001.
- Implemented automated scripts to scan for vulnerabilities and generate compliance reports, reducing manual audit time by 40% in test scenarios.
- Integrated user authentication and data encryption features to ensure privacy, and created mock customer questionnaires based on CSA CAIQ framework.
- Technologies: Python, Azure, SQL, HTML/CSS/JavaScript.

Application Security Risk Assessment Tool

- Built a tool in Python to perform automated risk assessments on web applications, identifying common vulnerabilities such as SQL injection and XSS using OWASP guidelines.
- Collaborated with a team of 3 to manage end-to-end assessments, including generating reports for simulated RFP/RFI responses focused on security compliance.
- Incorporated cloud security best practices, testing against PCI-DSS requirements, and presented findings in a whitepaper-style document for stakeholders.
- Technologies: Python, Selenium, Burp Suite, AWS EC2.
- Outcome: Improved application security posture by highlighting risks and recommending mitigations, aligning with real-world cloud security questionnaires.

Cybersecurity Knowledge Base Platform

- Created a collaborative platform using PySpark and Databricks to build a searchable knowledge base for security certifications and compliance resources.
- Included features for updating documents, tracking audit evidence, and providing training modules on topics like ISO 27K and SOC 2.
- Worked across simulated time zones to integrate feedback, driving process improvements through data analytics on user interactions.
- Technologies: PySpark, Databricks, MongoDB, React.js.

| Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Plat form

| Certifications

- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.