ABIRAMI U SANJEEVAN

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PROFESSIONAL SUMMARY

Motivated Applied Software Engineering and Cybersecurity student with hands-on experience in software testing, system administration, and cloud technologies. Skilled in test case design, API testing, SQL data validation, and Linux environments. Known for strong attention to detail, documentation, and collaboration while balancing academic and project commitments.

TECHNICAL SKILLS

- **Testing and QA:** Test Case Design, Regression Testing, API Testing, Data Validation, Defect Tracking, Test Documentation
- **Programming:** Python, Java, SQL, C++, Shell Scripting
- **Databases and DBMS:** MySQL, Database Management Systems (DBMS), SQL Querying, Backend Data Verification, Data Integrity Checks
- **Automation and Tools:** Postman, JIRA, Git, Linux CLI
- **Cloud and Systems:** AWS EC2, S3, IAM, Lambda, CloudWatch, Linux, Ubuntu, Windows, macOS, Raspberry Pi
- **Concepts:** Software Testing Life Cycle, Debugging, Log Analysis, Role Based Access Control, CI/CD fundamentals
- **Soft Skills:** Problem Solving, Analytical Thinking, Attention to Detail, Documentation, Communication, Team Collaboration, Time Management, Adaptability

PROFESSIONAL EXPERIENCE

Winthrop University Cyber Lab | *Student System Administrator* **Jan 2026 - Feb 2026**

- Perform system log analysis and performance monitoring across Linux CLI environments, and troubleshoot issues
- Validate system configurations and user access using least privilege and role-based controls
- Develop automation scripts using Python to improve system reliability and repeatability
- Document system processes, configurations, and testing procedures
- Support secure, stable lab environments used for software and cybersecurity coursework

North America Medical Technology Group | *QA Analyst Volunteer* **Mar 2025 - Sep 2025**

- Designed and executed over 150 test cases through the software testing life cycle to validate software functionality and data accuracy
- Performed backend data validation using SQL and MySQL queries
- Conducted API testing using Postman and documented test results
- Logged and tracked defects using JIRA and defect tracking best practices
- Participated in regression testing and test documentation.

PROJECT EXPERIENCE

Banner Access Tracker Software Engineering Project **2025**

- Developed Python and MySQL application to manage access requests with role-based workflows
- Created UML diagrams, test documentation, and functional specifications
- Performed data validation and backend query testing
- Implemented secure authentication and authorization logic

AWS Cloud Computing Projects **2025**

- Built and deployed applications using EC2, S3, IAM, and Lambda
- Monitored system metrics using CloudWatch logs for troubleshooting
- Applied logging and secure access configuration for reliability testing

EDUCATION

Winthrop University **May 2026**
Bachelor of Science, Applied Software Engineering, Cybersecurity (GPA: 3.94) *Rock Hill, SC*

CERTIFICATION

- PC Technical Support: York Technical College | 2021
- IRB Human Subjects Research Certification: (CITI Program)