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Professional Summary

Early-career individual within the field of Information Systems and Technology with an M.S. in Management Information Systems and B.Tech in Information Technology. Work experience consists of the fields of application development, security automation, graduate research, data analysis, software testing, and technical documentation that have been gained through internships and academic projects. Proficient in SQL, Python, Microsoft SQL Server, REST APIs, AWS, Linux, Docker, Tableau, and MobSF. Interested in pursuing a career in the realms of IT operations, cybersecurity, Data analyst, business systems, data governance, and technology risk and compliance.

Technical Skills

IT and Systems: Systems Analysis, Requirements Gathering, Troubleshooting, Process Documentation, Agile

Security and Governance: Security Automation, Vulnerability Assessment, Mobile Application Security, Access Control Concepts, Risk Management, IT Governance, Data Governance

Data and Reporting: SQL, Microsoft SQL Server, MySQL, Excel, Tableau, SAS Enterprise Miner, Data Validation, Dashboard Development

Programming and Applications: C and C++, Python, JavaScript, TypeScript, Java, Julia, Angular, Node.js, Express.js, REST APIs

Cloud and Tools: AWS, Microsoft Azure, Linux, Docker, Git, GitHub Actions, MongoDB, Neo4j

Professional Experience

University of Illinois Springfield

Graduate Research Assistant

Springfield, IL

February 2026 – May 2026

- Developed a reproducible analytical workflow to study the impact of solar and weather conditions on building thermal performance.
- Prepared and validated structured datasets, reviewed model outputs, investigated unexpected results, and documented technical assumptions and findings.
- Combined physics-based modeling with data-driven estimation methods to improve analysis of building-energy behavior under uncertain environmental conditions.

Reliance Industries Limited

Full-Stack Developer Intern

Jamnagar, India

December 2023 – April 2024

- Helped develop an internal uptime-monitoring application using Angular, Node.js, Express.js, and Microsoft SQL Server.
- Built REST APIs and SQL-backed workflows for collecting, validating, updating, and reporting infrastructure availability and downtime data.
- Worked with employee users and technical stakeholders to convert operational needs into application features, database requirements, and reporting workflows.
- Tested forms, APIs, database transactions, dashboards, and end-to-end processes and investigated duplicate or inconsistent event records.

Jio Platforms Limited

Summer Intern – Security Automation

Mumbai, India

June 2023 – August 2023

- Automated an Android application security-testing workflow using Python and MobSF to reduce repetitive manual analysis.
- Supported a repeatable process for application upload, vulnerability scanning, output validation, and security-report generation.
- Worked with Docker and CI/CD concepts and documented execution, troubleshooting, and secure-processing procedures.

Reliance Industries Limited

Engineering Vocational Trainee

Jamnagar, India

May 2022 – June 2022

- Gained practical exposure to web and mobile development, enterprise databases, transaction processing, and cloud-computing concepts.

Projects

Uptime Monitoring System

Technologies: Angular, Node.js, Express.js, Microsoft SQL Server, REST APIs

- Developed dashboards and workflows for reviewing downtime events, monitoring availability, managing assets, and reporting infrastructure status.

- Integrated frontend, backend, and database components and tested application behavior, user workflows, and reporting accuracy.

Image Label Detection Using AWS Rekognition

Technologies: Python, AWS Lambda, Amazon S3, AWS Rekognition, CloudWatch

- Built an event-driven serverless workflow in which S3 uploads triggered Lambda processing and automated image-label detection.
- Stored structured results in S3 and used CloudWatch logs to monitor execution and troubleshoot processing failures.

Reddit Sentiment Analyzer

Technologies: Python, Natural Language Processing, AWS, Neo4j

- Developed a Python application to process Reddit discussions, classify sentiment, and identify patterns across posts and topics.
- Used Neo4j to store and visualize relationships and deployed the application in an AWS environment.

Air Quality Analysis Across India

Technologies: Python, Tableau, SAS Enterprise Miner

- Cleaned and analyzed environmental, weather, traffic and Industrial-related air pollutants data to identify air-quality patterns across Indian cities.
- Built Tableau dashboards and applied clustering, regression, classification, and neural-network techniques to compare trends and model performance.

Hybrid Modeling and Estimation of Unknown Solar Disturbances

Technologies: Julia, Scientific Machine Learning, Unscented Kalman Filter

- Developed a hybrid modeling workflow combining a thermal RC model, environmental data, and data-driven state-estimation methods.
- Reconstructed unknown solar disturbances and validated thermal-state estimates under changing environmental conditions.

Education

University of Illinois Springfield

Master of Science in Management Information Systems; GPA: 3.83/4.00

Springfield, IL

August 2024 – May 2026

- **Relevant Coursework:** Cybersecurity, Compliance and Legal Issues in Cybersecurity, Database Management, Systems Analysis and Design, Data Mining and Business Analytics, Project Management, and Production and Operations Management.

Charotar University of Science and Technology

Bachelor of Technology in Information Technology; GPA: 3.48/4.00

Anand, India

October 2020 – May 2024

- **Relevant Coursework:** Computer Networks, Operating Systems, Database Management Systems, Software Engineering, Data Structures and Algorithms, Machine Learning, DevOps, Web Development, and Information Security.

Certifications

- AWS Certified Cloud Practitioner — Amazon Web Services
- Microsoft Certified: Azure Fundamentals — Microsoft
- Certified ARIS Modeler Associate — Software AG
- Ethical Hacking Essentials — CodeRed
- Cloud Computing and Distributed Systems, Elite Certification — NPTEL