

# Roshan Gautam

Edwardsville, IL | (618) 471-0801 | [roshangautam356@gmail.com](mailto:roshangautam356@gmail.com) | [linkedin.com/in/roshangautam-rg](https://www.linkedin.com/in/roshangautam-rg) | [roshangautam.me](http://roshangautam.me)

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## PROFESSIONAL SUMMARY

Technology professional with 6+ years bridging business strategy and technical delivery in enterprise environments. Experience in requirements analysis, stakeholder management, data validation, and Agile coordination across 20+ high-volume data processing modules. Advancing expertise through MS in Management Information Systems (4.0 GPA). Open to relocation within the US.

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## CORE COMPETENCIES

**Business Analysis and Requirements:** Requirements Elicitation, Stakeholder Interviews & Workshops, Business & Functional Requirements (BRDs/FRDs), User Stories, Use Cases, Acceptance Criteria, Gap & Impact Analysis, As-Is / To-Be Process Mapping, BPMN, Requirements Traceability Matrix (RTM), UAT Planning & Coordination, Process Documentation, Change Management

**Data Analysis and Reporting:** SQL, Excel (Advanced), R, Data Cleaning & Validation, Data Mapping, Exploratory Data Analysis (EDA), KPI Definition, Dashboard Design, Power BI, Tableau, Statistical Analysis, Trend & Variance Analysis, Ad-hoc Reporting, Survey Design & Analysis (Qualtrics), Data Storytelling

**Quality Assurance:** Test Strategy & Planning, Test Automation Frameworks, UI & API Testing, Regression, Smoke & Sanity Testing, Performance Testing, Test Case Design, Defect Management, Root Cause Analysis (RCA), Test Data Management, CI/CD Integration, SDLC & STLC

**Agile and Product Delivery:** Agile/Scrum, Sprint Planning, Backlog Refinement, User Story Grooming, Scrum Ceremonies, Stakeholder Management, Cross-functional Collaboration, Product Lifecycle Management

**Tools and Technology:** JIRA, Confluence, Draw.io, SQL, Power BI, Tableau, Selenium, Postman, JMeter, Git, Jenkins, RESTful APIs, AWS, OBIEE, ODI

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## EXPERIENCE

### Verisk Analytics | Jersey City, NJ | Senior Software Engineer | Aug 2022 – Aug 2024

- Initiated and led QA validation for the Lloyd's ISO Portal modernization, driving the first three months of execution to migrate a legacy .NET UI to an AWS-hosted, API-driven UI, while serving as the primary lead for legacy requirements extraction to ensure functional parity and data integrity
- Partnered with product owners and business stakeholders to elicit and document requirements across 20+ data-intensive enterprise modules, coordinating UAT and translating business rules into validation strategies, test scenarios, and system configurations
- Resolved a critical Selenium WebDriver–Jenkins compatibility issue caused by version mismatches on a parallel enterprise project, stabilizing CI pipelines and restoring reliable automated test execution

### Verisk Analytics | Jersey City, NJ | Software Engineer | May 2020 – Jul 2022

- Translated business requirements into AWS-based technical prototypes for proof-of-concept evaluations while validating system performance and functionality against business SLAs through structured testing and analysis
- Served as Scrum Master for an offshore team of 6–8 members, facilitating Agile ceremonies, maintaining 95%+ sprint goal achievement, and developing Power BI dashboards to enable data-driven delivery decisions
- Onboarded, mentored, and conducted knowledge transfer sessions for QA resources and cross-functional team members, ensuring consistent testing practices, domain understanding, and smooth delivery coordination across time zones

### Verisk Analytics | Jersey City, NJ | Associate Software Engineer | Nov 2018 – Apr 2020

- Partnered with business and technical representatives to analyze, design, and emulate production-like API load patterns, validating performance behavior and enabling delivery of APIs that consistently met a 2-second SLA under real-world usage conditions
- Built CI/CD automation using Jenkins and developed PostgreSQL-based validation scripts to ensure data

integrity, repeatable testing, and reliable delivery across evolving systems

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## ADDITIONAL EXPERIENCE

### **Southern Illinois University Edwardsville | Edwardsville, IL | Graduate Assistant – NSF-Funded Multi-Institution Research Project | Sep 2024 – Present**

- Join the project from Day 1 of the \$2M NSF grant award, applying technical project management practices to coordinate execution across 8 participating institutions under aggressive timelines
- Drive IRB completion across all eight institutions within four months by leading document facilitation, centralized governance, and timely stakeholder coordination, enabling disciplined workflow and documentation management
- Design, maintain, and govern a shared documentation repository, rapidly design and analyze Qualtrics faculty surveys, and contribute as a technical member of the postdoctoral search committee, supporting candidate selection and onboarding within two months of grant initiation

### **Southern Illinois University Edwardsville | Edwardsville, IL | Departmental Tutor - Computer Science and CMIS | May 2024 – Present**

- Mentor 50+ undergraduate students in Data Analytics, SQL, R Programming, Software Testing, and Computer Science fundamentals by adapting instruction to individual learning styles
  - Use unconventional analogies and real-world framing to simplify complex concepts, consistently driving measurable performance improvements, often resulting in at least one letter-grade increase
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## GRADUATE PROJECTS

### **Employee Attrition Analysis**

- Analyzed 74,000-employee HR dataset (24 variables) using data preparation, exploratory analysis, and decision-tree modeling
- Identified key retention drivers including work-life balance, remote work policies, and promotion timelines
- Delivered insights and recommendations to support data-driven workforce planning and retention strategies

### **Cybersecurity Risk Assessment**

- Conducted secondary research on emerging endpoint security threats, evaluating business impact and risk exposure
  - Translated technical security research into business impact analysis with actionable risk mitigation recommendations for enterprise environments
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## CERTIFICATIONS AND TRAININGS

**CompTIA Security+ (TestOut) | CompTIA | Completed**

**ISTQB Certified Tester – Foundation Level (CTFL) | ISTQB | Completed**

**AWS Certified Cloud Practitioner | Amazon Web Services | Dec 2021 – Dec 2024**

**CITI Program – Research Compliance & Information Privacy | Collaborative Institutional Training Initiative (Human Subjects Research / IRB, Responsible Conduct of Research, Information Privacy & Security)**

**Generative AI with Large Language Models | Coursera | Apr 2024**

**Accelerate Your Leadership Program | Verisk Talent Development & LinkedIn Learning | Mar 2024 – Jun 2024**

**Business Communication Training Program | English for All Institute, Nepal | Dec 2018**

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## EDUCATION

**Southern Illinois University Edwardsville**

Master of Science in Management Information Systems (Expected May 2026)

**Edwardsville, Illinois**

CGPA: 4.0/4.0

**Kathmandu University**

Bachelor of Engineering in Computer Engineering (2014-2018)

**Dhulikhel, Kavre**

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## LEADERSHIP, RECOGNITION AND AWARDS

- 5× Verisk Way to Go Award for solution delivery, collaboration, and mentorship (2019-2024)
- Organized university tech event with 2,500+ participants and NPR 150,000+ in sponsorships