Riya Poudyal

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EDUCATION:

Illinois Institute of Technology, Chicago, IL

BS in Computer Information Systems, Minor in Business Administration — Expected Graduation: May 2026

Relevant Coursework: Human-Computer Interaction, Introduction to Information Security, Data Structures and Algorithms, Object Oriented Programming I, Object Oriented Programming II, Computer Organization and Assembly Language Programming, Calculus I/ II, Intro to Economics

Awards and Honors: Deans' List- Spring'23, Merit Scholarship (75%)

EXPERIENCE:

Global Services Assistant, Illinois Tech (05/24–Present)

- Collaborated with cross-functional teams and stakeholders to identify system inefficiencies, resulting in a 37% reduction in administrative workload.
- Resolved student challenges by delivering comprehensive adaptation roadmaps, resulting in a 97% improvement.
- Enhanced international student support by 25% through streamlined digital systems.

SOAR Leader, Illinois Tech (03/24–08/24)

- Analyzed engagement metrics to refine marketing strategies, contributing to a 15% increase in event participation and enhanced orientation experience.
- Coordinated and executed comprehensive orientation activities, contributing to a 91% improvement in student retention rates, while honing project management, event coordination, and team collaboration skills.

Program Assistant, Illinois Tech (09/23–05/24)

- Oversaw record management and operations for 15 Student Ambassadors, ensuring accurate data coordination and optimizing workflows.
- Facilitated panel discussions and presentations, contributing to departmental growth and visibility through strategic communication.

PROJECTS:

Weather Website | SQL, HTML/CSS — January 2024

- Developed a data-driven weather website, utilizing SQL to query and manage real-time weather data efficiently, improving query performance by 30%.
- Incorporated secure API calls and data validation processes, ensuring the reliability of real-time weather updates.
- Applied database normalization and optimization techniques, ensuring scalability and improved database performance for large datasets by 68%.

Maze Game Project | Assembly Language, VS Code — August 2023

- Applied low-level programming for efficient optimization of CPU instructions for a 20% reduction in game runtime.
- Leveraged online Assembly Language resources to enhance code understanding and problem-solving, optimizing CPU instructions for improved game performance by 38%.
- Overcame platform-specific memory management issues during testing across x86 emulators and Linux-based systems, ensuring smooth operation.

Library Management App | Python, SQL — January 2023

- Designed and implemented a console-based library management system using Python and SQL, focusing on efficient data storage and retrieval.
- Applied object-oriented programming to streamline book categorization and database interactions, improving system efficiency by 25%.
- Managed the testing and debugging process, ensuring the app performed optimally, reducing runtime errors by 15% through code refinement.

VOLUNTEERING EXPERIENCE:

Library Student Advisory Group, Illinois Tech (01/22–Present)

- Improved digital resources for 500+ students by analyzing feedback and recommending enhancements to library systems.

Vice-Chairperson, G17 University Ambassador Consortium (UAC), Nepal (01/22–06/24)

- Led a 75-member team, utilizing data-driven decision-making to improve project delivery efficiency by 20%.

TECHNICAL SKILLS:

Languages: Python, Java, SQL, Assembly Language, HTML/CSS | **Developer Tools:** Git, VS Code, MIPS, MySQL

Frameworks: UiPath | **Platforms:** x86 Emulators, Linux-based Systems | **Other Skills:** Debugging, RPA, Database Optimization