

Rajdeep Sah

1405 SW Lane St., Apt #302 – Topeka, KS, USA 66604

📞 +1 (785) 730 1643 • ✉️ rajdeepofficialwork@gmail.com

Education & Certificates

Washburn University

Topeka, KS

Bachelor of Science in Computer Information Science & Bachelor of Science in Pure Mathematics Aug 2023–Present

Harvard University

Online

Intro to Computer Science: CS50X

Nov 2022

Liverpool International College

Kathmandu, Nepal

High School

2020–2022

Deerwalk Training Center

Kathmandu, Nepal

Python Training Completion

2023

IIDE

Online

Digital Marketing Course

Dec 2023

Research and Publication

Generative AI in Higher Education - Research Project

May 2025

- Researched generative AI in higher education through surveys and interviews, resulting in a peer-reviewed publication with IACIS and an invitation to present at the 65th Annual Conference (Oct 2025).

Technical Projects

Champions League (Soccer Game) – Database Management System

- Designed and implemented a relational database with an ER model to manage teams, players, matches, and tournaments, enabling real-time performance tracking (goals, assists, ratings) through seamless integration of Flask backend, MySQL database, and dynamic web interface (HTML / CSS, Jinja2).

RunMickyRun – 2D Endless Runner Game

- Created a Java Swing endless runner game with physics-based jumping, randomized obstacles, modular code structure, dynamic difficulty scaling, achievements, and custom sound integration.

Tic-Tac-Toe Game

- Built a two-player Java game with board initialization, player move validation, and automated win detection.

Battleship Game

- Developed an interactive Battleship game in Java using Swing, implementing grid-based ship placement logic, real-time hit/miss feedback, and event-driven UI for enhanced user experience

Banking Application

- Built a Java-based banking application with secure database integration, supporting deposit/withdrawal transactions, balance tracking, and file I/O for persistent data management

Student Marks Evaluation System

- Built a Java-based Grade Book system to automate grade calculations, manage project scores, and ensure accuracy through comprehensive unit testing, with extensible design for academic use.

Internship Experience

Walgreens

Topeka, KS

Management Intern

May 2025–Present

- Streamlined operations for 20+ associates, cutting labor costs by 10% and reducing store shrink by 66% through enhanced inventory controls
- Delivered exceptional service across 250+ weekly customer interactions while boosting community engagement through wellness initiatives
- Optimized scheduling, supervision, and KPI tracking to ensure efficient, high-performing store operations

Great Plains Annual Conference, UMC

Topeka, KS

New Church Development Summer Intern

May 2024–Aug 2024

- Leveraged BrickRiver CRM to manage, analyze, and visualize church development data, generating insights that informed strategic planning and growth initiatives
- Conducted financial modeling and budget forecasting, estimating salaries and project costs while identifying income/expenditure optimization opportunities to improve resource allocation
- Developed and maintained the NCD website using Wix, implementing content management workflows, integrating donation/payment pages, and ensuring a seamless digital user experience

Professional Experience

Washburn University

Topeka, KS

Mathematics and Statistics Tutor

Sep 2023–Present

- Provided tutoring in Statistics, Logic, Functions, Vectors, Trigonometry, Advanced Algebra, and Calculus to students of all levels
- Helped students develop problem-solving skills and achieve academic success

Washburn University

Topeka, KS

Computer Information Science Tutor

Dec 2024–Present

- Tutoring students in programming (C, Java, Python), data structures, algorithms, operating systems, networking, cybersecurity, and databases
- Supported learning in software engineering, AI/ML, and discrete mathematics, while guiding students through high-level CS projects with design, implementation, and debugging support

Washburn University

Topeka, KS

Peer Educator

Aug 2024–Present

- Mentored students through academic support, peer counseling, and career guidance workshops to foster personal and professional growth
- Promoted campus engagement and collaborated with faculty to improve student success and overall university experience

Washburn University

Topeka, KS

Student Ambassador

May 2025–Present

- Helped new and prospective students feel confident on campus by leading tours, answering questions, and supporting them with academic tools like course registration and advising systems
- Built a welcoming, inclusive community by mentoring students from diverse backgrounds, assisting with campus events, and connecting them to helpful university resources

Washburn University

Topeka, KS

Tutor/Mentor – Upper Bound (TRIO Program)

May 2025–Present

- Tutored high school students in math, science, and writing, while mentoring them on college preparation, personal growth, and academic confidence
- Helped lead workshops and summer enrichment programs focused on study skills, time management, financial aid, and cultural awareness to support college readiness for underrepresented students

Student Media, Washburn University

Topeka, KS

Content Story Writer

Sep 2023–Aug 2024

- Produced campus stories under tight deadlines, strengthening communication and storytelling skills

Mathematics & Statistics Department, Washburn University
Office Assistant

Topeka, KS
Nov 2023–Dec 2024

- Provided administrative support, event coordination, and inventory management.

Leadership & Campus Engagement

Programming Competition Participant – CCSC Central Plains 2025 *April 2025*

- Competed at the 31st Annual CCSC Central Plains Conference; secured top 4 position out of 21 teams

Mathematics Competition Participant *March 2024*

- Represented Washburn University at the KSMAA Mathematics Competition

President – Club Mathematica *Aug 2025–Present*

- Directed club operations and fostered student research by organizing math-focused workshops, faculty-led talks, and academic conference participation.

President – ByteBods Computer Club *Aug 2023–Aug 2025*

- Led initiatives in technology and coding, including hackathons, coding competitions, industry speaker events, and professional development workshops.

Secretary – Kappa Mu Epsilon, Math Honor Society *Aug 2024–Present*

- Coordinated communication, meeting agendas and event planning for the honor society, supporting research projects, outreach, and academic networking

Treasurer – Alpha Lambda Delta Honor Society *Aug 2024–Aug 2025*

- Oversaw financial records and budgeting for student-led initiatives and events

Sports Event Coordinator *Oct 2024*

- Organized and executed a multi-university cricket tournament, overseeing logistics, scheduling, sponsorship, and large-scale event promotion.

Math Day Scavenger Hunt Organizer *Nov 2024*

- Co-designed and co-hosted a math-themed scavenger hunt competition for high school students

Shawnee County Tech Guild Member

- Contributed to community outreach and guild engagement through idea presentations, active collaboration, and winning the solo tech trivia competition.

Presenter – Apeiron Research Symposium *May 2025*

- Delivered a research presentation on the impact of generative AI in higher education at Washburn University's annual symposium.

Professional Skills

Programming Languages: Java (Expert), Python (Expert), C, C++, C#, JavaScript

Database Technologies: SQL (MySQL, PostgreSQL), NoSQL

Development Tools: Git, Postman, Wireshark, JUnit, PyTest

Web Technologies: HTML, CSS, Basic JavaScript, Wix

Networking & Cybersecurity: TCP/IP, HTTP/HTTPS, Cybersecurity Fundamentals

Personal Qualities

Adaptable, Organized, Strategic Planner, Detail-Oriented

Strong Leadership and Team Collaboration Skills

Quick Learner, Analytical Thinker, Problem Solver

Languages

Native: English (Highly Proficient), Nepali, Maithili

Conversational: Hindi, Bhojpuri, Bengali, Punjabi, Marathi, Khasi, Urdu, Gujarati, Rajasthani, Assamese

References

Dr. Nan Sun – Chair, Computer Information Science | Washburn University | (785) 670-2102 | nan.sun@washburn.edu

Dr. Sarah Cook – Chair, Mathematics & Statistics | Washburn University | (785) 670-1498 | sarah.cook@washburn.edu

Dr. Gerald C. Liu – New Church Development | Great Plains Annual Conference, UMC | (615) 983-0065 | gliu@greatplainsumc.org

Devan Pettygrove – Manager | Walgreens | (785) 354-1470 | MGR.03069@store.walgreens.com