

# Rajdeep Sah

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

✉ +1 (785) 730 1643 • ✉ rajdeepofficialework@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