

# Jigyas Sharma

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## Education

### UNIVERSITY OF KANSAS

Lawrence, KS

Master of Science, Computer Science. GPA: 4.0

Relevant Coursework: Computer Vision, Data Privacy and Security, Cryptography

May 2025

### UNIVERSITY OF KANSAS

Lawrence, KS

Bachelor of Science, Computer Science. GPA: 3.6

Relevant Coursework: Compiler Construction, ML Algorithms, Operating System

May 2023

## CLUBS AND ASSOCIATION

KU Software Engineers Club (President), KU Artificial Intelligence Organization (Programming Member), KU Esports Team (Captain), KU Cyber Security Club (Member)

## Experience

### UNIVERSITY OF KANSAS

Lawrence, KS

#### Graduate Research Assistant

January 2024-Present

- Conducting research on data privacy and security, with a special focus on machine learning vulnerabilities.
- Utilizing SHAP (SHapley Additive exPlanations) to analyze and understand the features that predominantly contribute to the decision-making process of machine learning models.
- Contributing to the academic community through publications and presentations.

### UNIVERSITY OF KANSAS

Lawrence, KS

#### Graduate Teaching Assistant

August 2023-Present

- Provide mentorship in various computer science courses, adapting teaching methods to different subjects each semester, and effectively guiding students through complex software concepts and programming paradigms.
- Contribute to the development of curriculum materials across multiple computer science disciplines, ensuring content relevance and applicability to real-world software engineering and research scenarios.
- Offer targeted technical guidance and support, fostering student proficiency in software development and research methodologies, and enhancing their ability to tackle challenging technical problems.

### KU INFORMATION TECHNOLOGY

Lawrence, KS

#### IT Student Technician

August 2022-August 2023

- Efficiently resolved hardware and software issues for university staff and students, ensuring optimal operation of computer systems and networks.
- Utilized strong analytical skills for quick diagnosis and resolution of technical issues, enhancing IT infrastructure efficiency and functionality.
- Worked effectively with a diverse team of IT professionals, participating in projects, sharing knowledge, and actively contributing to the team's success in delivering exceptional IT services to the university community.

### 3M INDIA

Bangalore, India

#### SWE SUMMER INTERN

April 2019-August 2019

- Completed a summer internship at 3M India, actively participating in Agile development strategies with a cross-functional team, gaining valuable experience in the iterative and collaborative software development approach.
- Utilized C++ and Python predominantly for backend development, successfully implementing and optimizing software solutions that contributed to the efficiency and performance of key projects.
- Contributed to the creation of a software module for optimizing data analysis using Python and SQL, enhancing data processing efficiency by 30% and receiving positive feedback for delivering high-quality, well-documented code.

## Skills & Interests

**Technical:** C++, Python, PHP, Kotlin, Swift, JavaScript, React Native, HTML/CSS, R, UNIX Systems, Agile Strategy

**Interests:** Hackathons, Machine Learning, Robotics, Personal Software Projects, Game Development Algorithms

**Projects:** Movie Recommendation System (Python and R), Compiler Construction (C++), Grocer (React Native, Python and JavaScript), Restaurant Management System (SQL and PHP), Climate Change Analysis (Python and R), League of Cards (JavaScript and React)