

# KARAN KAPUR

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## EDUCATION

### University of Wisconsin-Madison

Bachelor of Science in Computer Science

Honor: Dean's List - Fall 2022

Relevant Coursework: Programming I,II,III (Java), Advanced Data Structures and Algorithms, Machine Organization & Programming in C, Introduction to Artificial Intelligence (Python)

Madison, WI

May 2026

## EXPERIENCES

### Kappa Eta Kappa

President

Madison, WI

May 2024 - Present

- **Presided** over Executive Board and active chapter meetings, effectively managing old and new business, addressing member behavior issues, and ensuring smooth coordination of events and logistics.
- Oversaw the responsibilities of all officers, provided support and guidance to positions and pledges, and represented the **Delta chapter** at the **Delta Alumni Association** and **National Executive Council** meetings, fostering a strong and cohesive chapter environment.

### University of Wisconsin-Madison

Peer Mentor & MLC Tutor, Department of Mathematics

Madison, WI

November 2023 - March 2024

- Assisted over **100** students in understanding complex mathematical concepts, resulting in an **increase** in their course grades.
- Led activity sessions during lectures for over **50** students, leading to improvement in their understanding of complex mathematical concepts.

## PROJECTS

### Chefify | Python, Flask, TensorFlow, HTML, CSS, JS, REST API, PostgreSQL

- Working on a **personal chatbot** project aimed at providing recipes based on user-defined parameters such as effort level and available resources
- Implementing an efficient **database system** using **PostgreSQL** to store and manage information on groceries, enabling users to dynamically update their inventory based on usage and availability and **TensorFlow** to add specialized dietary restriction modes to classify recipes and tailor recommendations for users with specific dietary needs, including gluten-free, keto-friendly, lactose-free, etc.

### Expense Tracker | Python, Tkinter, Tkcalendar, SQLite

- A desktop application built in **Python** for businesses to track their expenses and money flow while using **Tkinter** to build the GUI.
- Utilized the **Tkcalendar** to build a drop down calendar to enter the date of expense and **SQLite** for efficient data storage.

## TECHNICAL SKILLS

Languages: HTML, Java, Python, C++, CSS, C, MySQL, Javascript, SQL

Frameworks: JUnit, JavaFX, React, Node.js

Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib, Tkinter