

KARAN KAPUR

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EDUCATION

University of Wisconsin-Madison

Bachelor of Science in Computer Science & Data Science (Double Major)

Clubs/Organizations: President @ Kappa Eta Kappa

Madison, WI

May 2026

EXPERIENCES

Product Management and Automation Testing Intern

July 2024 - Present

HCLSoftware

Noida, IN

- Collaborated with cross-functional teams to implement new features and enhancements based on user feedback from **sandbox testing**, leading to a **10%** increase in user satisfaction for **HCLSoFy**.
- Utilized **automation testing** tools to streamline **product development** processes, reducing testing time by **20%** for the **Government and Public Sector Technology Innovation and Research** project.

Peer Mentor & Math Learning Center Tutor

Nov. 2023 - Mar. 2024

Department of Mathematics, University of Wisconsin-Madison

Madison, WI

- 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.

RestroLocator | *Python, Pandas, Flask, Node.js, React, MongoDB*

- Analyzed and processed CSV data with over **5000** restaurant entries, enhancing app functionality through advanced filtering options and real-time updates.
- Designed and implemented a user-friendly interface with geolocation features and personalized recommendations, optimizing the user experience.

TECHNICAL SKILLS

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

Frameworks: JUnit, JavaFX, React, Node.js, Flask, MongoDB, PostgreSQL

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

Other skills: Data Structures, Algorithms, Front-end, Back-end, Full-stack, API Development, Web Development