

KARAN KAPUR

+1 (608) 960-3376 | kkapur5@wisc.edu | Madison, WI 53706 | www.linkedin.com/in/karankapur5

EDUCATION

University of Wisconsin-Madison Bachelor of Science Major: Computer Science Honor: Dean's List - Fall 2022 Relevant Coursework: Programming I, II & III (Java), Introduction to Computer Engineering	Madison, WI May 2026 GPA: 3.74/4.0
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EXPERIENCES

Math Learning Center, Department of Mathematics <i>Peer Mentor & MLC Tutor</i>	Madison, WI November 2023 - Present
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- Assisted over **50** students in understanding complex mathematical concepts, resulting in an average **increase** of **10%** in their course grades.
- Led activity sessions during lectures for over 20 students, leading to a **20%** improvement in their understanding of complex mathematical concepts.

Kappa Eta Kappa <i>Executive Board Member-at-Large</i>	Madison, WI May 2023 - Present
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- Voiced concerns and suggestions of fraternity members during Executive Board meetings, resulting in the implementation of several new initiatives aimed at improving member satisfaction and engagement.
- Distributed officer report forms to each chapter officer, ensuring accurate and timely collection of important information used for strategic decision-making by the Executive Board.

HCL Technologies Ltd. - IOMC <i>Cloud Computing Intern</i>	Noida, India June 2021 - July 2021
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- Shadowed Cloud Software Engineer on daily tasks and gained exposure to the entire software lifecycle process, including **coding, testing & deployment** stages.
- Developed proficiency in **Python** programming language to build **SaaS** software, resulting in improved development speed.

PROJECTS

UW-Madison: Department of Computer Science <i>Class Project: Password Cracking using SHA-1 Hash & BST operations</i>	Madison, WI April 2023 - May 2023
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- Understood the implementation of common **Binary Search Tree** operations and detected errors in BST implementations.
- Re-organized the code using recursion and designed test scenarios using the **SHA-1 Hash** version of passwords to check proper working.

SKILLS

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

Softwares: Adobe Premiere Pro, Microsoft Excel, Microsoft Powerpoint, Microsoft Word