

Karun Gopal

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Education

The Ohio State University

May 2027

Double Major

Bachelor of Science in Computer Science and Engineering and Financial Mathematics

GPA: 3.77/4.0

- **Coursework:** Software Components, Discrete Mathematics, Data Structures and Algorithms, Linear Algebra

Experiences

Math Tutor, OSU Math Stats Learning Center – Columbus, OH

August 2024 – Present

- Assisted students in a drop-in learning center to improve their understanding of mathematical concepts
- Guided over 40 students in one session by encouraging problem-solving and facilitating group discussions
- Provided targeted feedback and prompts to foster critical thinking without directly solving problems for students
- Boosted student engagement and confidence in tackling complex mathematical challenges independently

UI/UX Graphic Designer Intern, Empowered Futures – Remote

April 2024 – June 2024

- Collaborated with a remote team to enhance user experiences for cross-platform applications
- Designed and optimized user interfaces for mobile and web platforms, focusing on usability and responsiveness
- Contributed to developing an internal workflow management app and enhanced mobile applications for seamless performance across devices
- Streamlined operational efficiency and improved app functionality, resulting in positive user feedback

Math and English Tutor, Kumon – Lewis Center, OH

July 2022 – July 2023

- Simplified complex concepts into accessible language, boosting student comprehension and retention
- Fostered students' confidence and improved academic performance through personalized support

Projects

AI Academic Advisor

October 2024

- Developed the frontend interface for the platform, ensuring a user-friendly design and seamless interaction
- Implemented the backend file upload system using Flask, enabling efficient and secure handling of uploaded
- Tools Used: React JS, Python, Flask, CSS, HTML, OpenAI's API

BookWorm

February 2024

- Built an AI-powered website using Django to help teachers adapt news articles to students' reading levels, enhancing accessibility and comprehension by using Beautiful Soup to web scrape relevant articles and integrating OpenAI's API to rewrite content tailored to different reading abilities
- Tools Used: Python, OpenAI's API, Beautiful Soup, Django

HTML Homepage

February 2020

- Created an HTML homepage as an introductory project, focusing on fundamental concepts such as structuring content, linking pages, and embedding images
- Tools Used: HTML, CSS

Technologies

Certifications:

- AWS Certified Cloud Practitioner
- PCEP Certified Entry Level Python Programmer

August 2024

August 2024

Languages: Python, Java, C, HTML, SQL, C++, JavaScript

Technologies: Git, React JS, CSS, Beautiful Soup, Flask