

KAUSTUBH MATHUR

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EDUCATION

University of Cincinnati

Graduating: May 2026

Bachelor of Science, Major in Computer Science, Minor in Business Administration

- Dean's List – Fall 2023, Spring 2023
- CEAS International Outreach Scholarship

GPA: 3.6/4.0

SKILLS

Python, C++, C, SQL, HTML, CSS, JavaScript, LabVIEW, VBA, MATLAB

EXPERIENCE

Undergraduate Research Assistant, University of Cincinnati

Jan 2024 – Present

URA for Dr. David Reeping (Asst. Prof., Department of Engineering and Computing Education)

NSF SUCCESS Project:

- Worked with 9 researchers and mentors to standardize Plans of Study (POS) for engineering curriculum across the US
- Analyzed MIDFIELD dataset and compared student paths to coded POS
- Improved data entry by using Python and web scraping and created tools to validate entered data
- Co-authored research articles to share findings and data collection methods (Google Scholar)

ENED Teaching Assistant, University of Cincinnati

Aug 2023 – Present

- Assisted professor in teaching and supervising students for Foundations of Engineering Design Thinking course
- Tutored 72 students and managed communications between students and professor for project-related queries
- Graded weekly assignments, peer mentoring submissions and proctored exams for assigned sections

Peer Tutor, University of Cincinnati

Dec 2022 – Apr 2023

- Conducted one-on-one Calculus 1 tutoring, boosting average exam scores
- Established relationships to provide personalized feedback based on student strengths and weaknesses
- Scheduled and led targeted meetings to prepare students for exams

PROJECTS

Weather Website

July 2023 – July 2023

- Built a weather website with HTML, CSS, and JavaScript, integrating real-time weather data via API
- Deployed the website globally, featuring an intuitive interface with error handling for accurate user experience

Facial Recognition Software

June 2023 – July 2023

- Created a Python-based facial recognition system with face tracking and machine learning
- Optimized the model with a diverse dataset of 360 images for improved security and user experiences

Lego Robot, ENED1100

Oct 2022 – Dec 2023

- Programmed and assembled a robot using LabView and Python within a specified timeframe
- Led team in coding and designing a robot for path following, color detection, and weight-based can pickup

CERTIFICATES

Google IT Automation with Python Professional Certificate

Jan 2024 – Present

IBM Full Stack Software Developer Professional Certificate

Apr 2023 – Present

AVAILABLE FOR CO-OP SUMMER 2024 AND FALL 2024