

Jay Kothari

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2482 Paris St., Cincinnati, OH 45219

EDUCATION

Bachelor of Science in Computer Science.
University of Cincinnati, Cincinnati, OH

Graduation: August 2026

- GPA: 3.91/4.0

EXPERIENCE

Video Summarization: Scene detection, Key-frame extraction

October 2021 - Present

University of Cincinnati, Cincinnati, OH

Advising Professor: Dr. Mehdi Norouzi

- Analyze and visualize video summarization datasets TVSum and SumMe to understand inconsistencies in data
- Implement clustering algorithms K means, Hierarchical Clustering and DBSCAN to find outliers and improve consistency coefficients by 12% for better implementation of summarization algorithms
- Designed and implemented an algorithm to generate change points using color distribution of frames with 99% accuracy
- Presented research to an audience of colleagues, UPRISE cohort and university faculty across various departments

Jr. Software Developer

Jan 2023 - Present

Cincinnati Ventures, OH

- Maintain, develop and design ossrank.com
- Improve website and database performance by implementing indexing, caching and server side rendering
- Implement enterprise level global search engine on the entire database and website.

ACTIVITIES

August 2022 – April 2023

Director of Training at Bearcat Ventures

University of Cincinnati, Cincinnati, OH

- Preparing and executing a 10-week VC training course on due diligence, deal analysis, valuation, and pitchbook.
- Engaged with a 6-member team in applying due diligence framework to evaluate 3 startups, their founding teams and deliver executive summary and term sheet at Venture Capital Investment Competition in Chicago
- Work along with board members to make investment decision for UC's first student-led \$2 million venture fund

VP of Entrepreneurial Engagement

Center for Entrepreneurship, University of Cincinnati, OH

- Work with a team of 11 to ideate and conduct workshops, programs, and outreach events in classroom and public
- Partner with other clubs to increase engagement; find new contacts for networking events
- Automated process of database search, reducing search and compile time by over 80%

Academic Coach

August 2022 - Present

University of Cincinnati, OH

- Conduct multiple one-on-one weekly meetings with UC students looking to improve their academics and reach their goals
- Communicate with clients about their goals via email to create an open line of communication and hold them accountable
- Collaborate with each student to create personalized lesson plans for more effective and customized coaching sessions

SKILLS

Computer skills: Python, Ruby, React, JS/TS, Git, C++, MySQL, LaTeX, LabVIEW

Writing skills: Published an article in EECS student magazine titled "Having the entrepreneurial mindset as a computer scientist". Author of Book titled [Navigating Life as a Student and Aspiring Entrepreneur](#).

VOLUNTEER EXPERIENCE

- Clean-up Cincy – worked alongside 12 other volunteers, walked around campus and Clifton area to collect trash
- OneSource Warehouse – unloaded, sorted, organized, and priced shipments of returned merchandise

HONORS & AWARDS

- **Innovation Challenge 2023 Winner** – *University of Cincinnati*
- **UPRISE research scholar** - *University of Cincinnati*
- **Certificate of Quantum Excellence** - *Qiskit, IBM*
- **Silver Honor in Final Round** – *International Astronomy and Astrophysics Competition*