

# VIKRAM MISHRA

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Website: <http://vikramdesign.com>

## Education

**University of Cincinnati**

**Class of 2025 | Cincinnati, Ohio | GPA 3.67**

College of Design Architecture, Art, and Planning

Bachelor of Science in Industrial Design

Participating in the Professional Practice Program, alternating semesters of classroom study with work in the field of design.

**Inventure Academy**

**Class of 2020 | Bangalore, India**

Design and Technology, Physics, Chemistry, Math, Computer Science and English

## Work Experience

**Jan 2023 - Current | Weedless Robotics (iSurvey) | CTO and Co-Founder | Cincinnati, Ohio**

Started an AgTech startup from ideation to MVP. Invented prototypes of drone and robot solutions for weed identification and removal for mid-size organic farms. Interviewed 20 organic farms in the region.

**Sep 2022 - August 2023 | Proctor & Gamble | Mechanical Engineer & Industrial Design Co-op | Cincinnati, Ohio**

Developed working prototypes for consumer testing using 3D Printing and electronics. Engaged in home and fabric care upstream research and development.

**Jan 2022 - Apr 2022 | Sensio Enterprises | Intern**

Co-op at a medical and life-style design startup. Worked with a co-founding team as an Industrial Design intern to design and render a smart ring with modular sizes and explored material options.

**Jan 2020 - Aug 2021 | Tensor Digital Solutions | Full-time | Intern | Bangalore, India**

Developed computer vision algorithms and built hardware for a currency authentication machine. Tested different computer vision techniques and performance on a Raspberry Pi 4. Worked with an external client. Led development of a self-directed autonomous UV sterilization robot.

## Activities

**2021-2022 | Python Coding Instructor**

Facilitated online classes with Whiz Learning Kids to teach python programming to young teenagers

**2021 | UC Student Orientation Leader**

**2016-2021 | Whitefield Rising Volunteer**

Participated in lake cleaning and e-waste collection.

## Skills

Adobe Indesign, Photoshop, Illustrator, and Acrobat

**Solidworks, Fusion 360, and Keyshot**

Python Programming and Computer Vision

**Raspberry Pi and Arduino Platform**

## Honors and Awards

**Won Cincinnati Business Achievement Awards**

**Student Pitch Competition** and recieved a \$15,000 grant for my startup Weedless Robotics (2023)

**1st Prize at UC Startup Weekend** for developing a drone based automated solution for early stage detection of invasive species in farms (2023)

**Dean's List** at University of Cincinnati (2020 - 23)

**1st Prize at UC Sustainable Invention Immersion Week** for developing an AI powered waste segregation system for hospitals (2022)

**Top 3 Finalist in the Cybersecurity in the Age of IoT** from New York Academy of Sciences (2020)

**1st prize at Teen Turks Young Entrepreneurs Challenge** for Joule Thief Lamp business model from over 1400 teams (2019)

## Projects

**Weedless Robotics** | Autonomous weeding robot and custom built drone with on board AI algorithm

**Joule Thief Lamp** | An accessible lamp powered by residual energy from discarded household batteries