VEDANT BHARATE

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EDUCATION

University of Cincinnati, Ohio   **Graduating: May 2028**
Bachelor of Science, Computer Engineering   GPA: 3.3
Bachelor of Science, Electrical Engineering

- Relevant Coursework: Network Analysis, Digital Design, Discreet Structures, Differential Equations, Multivariable Calculus, Effective Speaking (communication)
- Honors and Awards: Dean's List (Fall 2023), CEAS International Outreach Scholar, UC Global Scholar, MOS Word Specialist | National Rank: 2

TECHNICAL SKILLS

Computer: Python, C++, C, Revit, Java, JavaScript, LabVIEW16, Matlab, VBA, HTML & CSS
Technical: Windows, Linux (Ubuntu), Git, MySQL, cPanel

EXPERIENCE

Resident Education & Development, Ohio   August 2024 - Present
Resident Advisor | CRC Residence Hall

- Manage the well-being and safety of over **300** residents, ensuring a positive living environment
- Collaborate with a team of Resident Advisors to implement community-building initiatives and uphold university standards
- Organize and facilitate social, educational, and cultural events to promote community engagement and resident interaction

Aashman Foundation, India   May 2023 - August 2023
MIS & Human Resource Intern

- Oversaw maintenance and administration of company databases, attaining a **99%** adherence rate for scheduled backups and resolved **95%** of technical issues within a 24-hour timeframe
- Diagnosed data problems, reducing errors by **90%** through root cause analysis and solution implementation
- Recruited talents through comprehensive screening process, leading to onboarding of **15 new** team members within **2 months**
- Initiated development of employee training programs and revamped recruitment processes

PROJECTS

AeroQuest | Aircraft Panel Hardware   June 2024 – Present
Personal Project

- Leading a cross-disciplinary team of **5** members from engineering and programming backgrounds to design, build, and test a realistic Airbus A320 overhead panel
- Engineered over **10 unique** circuit designs to optimize speed and minimize signal loss, achieving a **20%** improvement in response time for panel functions and maintaining efficiency under high usage
- Programmed and coordinated over **120** switches, knobs, and indicators using Mobiflight and **4 Arduino Mega 2560** microcontrollers to ensure precise hardware-software communication for seamless simulator integration

AmbuAlert | HTML, CSS, JS, cPanel   August 2023 - Present
Personal Project

- Leading a team of **4** in conceptualizing and developing AmbuAlert, an innovative project expanding GPS services for Emergency Service vehicles
- Guiding efforts to boost response times by a projected **20%** and expand project's reach by an impressive **80%**
- Engineering a website enabling ambulance drivers to efficiently input origin and destination, optimizing routes, resulting in a **20%** reduction in route planning time

ACTIVITIES

ACM@UC – RevUC | Sponsorship Coordinator   August 2024 - Present

- Successfully identified and engaged potential sponsors for RevolutionUC, with a target to raise up to **$30,000** to support the event and enhance participant experience.
- Researched and analyzed companies that align with RevolutionUC's objectives, identifying **60 high-potential** sponsors from tech, finance, and consulting sectors.

AVAILABLE FOR FIRST CO-OP: SUMMER 2025

AVAILABLE FOR SECOND CO-OP: SPRING 2026