

ATHARV ABHIJIT SHETE

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EDUCATION

Bachelor of Science, Computer Science

GRADUATING MAY 2026

University of Cincinnati, Cincinnati, OH

3.69/4.00 GPA

College of Engineering and Applied Sciences

Relevant Coursework: Human-Robot Interaction, Intelligent Agents, Cloud Computing, Visual Interfaces Data

PROJECTS

Wardline (Healthcare AI Communication Platform)

SEP 2025 – PRESENT

- Architecting a HIPAA-compliant patient intake system using **Python** and **Twilio**, designing stateful call flows to automate scheduling for high-volume medical offices
- Implementing backend logic to sanitize and route sensitive patient data (PHI) to secure databases, aiming to reduce manual administrative triage by 40%.
- Integrating LLM function calling to parse voice data into structured JSON logs, enabling real-time automated patient record updates.
- Stack: Python, Twilio Voice API, LLM Agents, PostgreSQL.

MarketGap (Multi-Agent Research Engine)

JULY 2025

- Engineered a scalable multi-agent system using Python and Letta (MemGPT) to automate market data scraping and synthesis from 10+ concurrent sources.
- Designed a stateful architecture to manage context across autonomous agents, implementing dynamic prompt chaining to improve output accuracy.
- Built RESTful API endpoints to serve real-time analytical insights to a **TypeScript/React** frontend dashboard.
- Stack: Python, Letta, React, TypeScript, REST APIs.

RegImpact AI (Healthcare Regulatory Intelligence Tool)

JUNE 2025

- Developed a RAG (Retrieval-Augmented Generation) application using Python and Perplexity Sonar to process complex federal healthcare regulations.
- Engineered a document processing pipeline that transforms unstructured regulatory text into actionable JSON insights for small medical practices.
- Stack: Python, Perplexity API, Vector Embeddings, React.

WORK EXPERIENCE

Senior Venture Analyst - Center of Entrepreneurship

AUG 2023 – PRESENT

University of Cincinnati

- Lead technical due diligence and market analysis for 40+ early-stage startups, leveraging data insights to refine product roadmaps and investment strategies.

Controls Engineering – TREW

SEP 2023 – DEC 2023

Fairfield, OH

- Designed and optimized algorithmic control logic for industrial automation systems, collaborating with cross-functional teams to increase operational throughput by 20%.

Front-end Web Development - Digital Scholarship Center

JAN 2023 – APR 2023

University of Cincinnati

- Developed interactive data visualizations using D3.js to render complex datasets, increasing user engagement metrics by 40%.
- Built reusable UI components and utility libraries to accelerate frontend development cycles by 25%.

LEADERSHIP AND EXTRACURRICULAR

Organizer Lead - RevolutionUC Hackathon

JUN 2021 – PRESENT

- Lead logistics, sponsorships, judging, and volunteers to deliver a high-quality hackathon experience.

Microsoft Student Ambassador

JUN 2025 – PRESENT

- Host Azure, GitHub and AI workshops and events to upskill students and grow the developer community.