

# VISHAL S. PUTTAGUNTA

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## Education

### The Ohio State University

Expected Graduation: May 2027

B.S. in Computer Science & Engineering | Minor: Business

Columbus, OH

- Specialization: Artificial Intelligence | **GPA: 3.65/4.00**
- Relevant Coursework: Software 1: Software Components in Java, Engineering Calculus 2 & 3, Statistics for Engineers

## Work Experience

### Sherwin-Williams

May 2025

Incoming Software Engineering Intern

Cleveland, OH

- Incoming Intern Summer 2025

### The Ohio State University

Nov 2024 - Present

AI/ML Undergraduate Research Assistant

Columbus, OH

- Developed a Python script to automate audio segmentation by extracting 30s to 5min segments from large MP3 files, single-handedly **creating 2,000+ smaller instances of usable data**
- **Mentored 4 student researchers**, guiding them in adapting to High Performance Computing, successfully overseeing execution of scraping/labeling audio data, resulting in **collection of 15,000+ instances of usable data**

### ServiQ

Dec 2024 - Present

Founder / Technical Operations Lead | Mar 2025 - Present

Columbus, OH

- Led development and operations of ServiQ, a service hub, **coordinating with 5+ local agencies**, ensuring seamless task postings, **resulting in a 30% increase in volunteer engagement with agency postings**
- Managed agency relations by serving as primary point of contact, **resolving 15+ technical/operational inquiries**

Lead Software Developer | Dec 2024 - Mar 2025

- Developed an asynchronous data-fetching system to retrieve and display volunteer tasks from a Firebase real-time database, enabling real-time updates and **handling 100+ tasks dynamically** without performance issues
- Designed filtering system, enabling users to search by category, date, and ZIP code, improving task discovery efficiency

### Web Innovators Inc.

Dec 2024 - Present

Freelance Web Developer

Columbus, OH

- Developed custom websites for small businesses **partnering with 15+ local companies**, increasing online presence

### Buckeye Autodrive

Sept 2024 - Jan 2025

Software Developer - Object Perception

Columbus, OH

- Integrated YOLOv8 algorithms, **enhancing object detection accuracy by 27%** to increase vehicle safety/reliability

## Projects

AI-Enhanced Wellness Coach | PyTorch, JavaScript, HTML, CSS, GPT-4o

Oct 2024

- Developed AI fitness tool, **improving recommendations by 30%** specializing workouts based on score system

Expenditure Advisor | Python

May 2024

- Developed an application to take in income and allocate spending across categories to insure financial responsibility

## Leadership Experience

Mount Leadership Society | Financial Coordinator

Aug 2024 - Present

- Chosen as **1 of 100** students to a competitive scholar program based on leadership qualities and community service
- **Managing funds of \$600+** for service-oriented initiatives, **presenting budget plans to 100+ members** at a time

## Technical Skills

**Languages:** Python, Java, C/C++, SQL (Postgres), JavaScript, HTML/CSS, MATLAB

**Tools & Frameworks:** PyTorch, React.js, Node.js, CI/CD, AWS, Git, Azure, MongoDB, Firebase

**Certifications:** AWS Certified Cloud Practitioner, PCEP – Certified Entry-Level Python Programmer