Vishal S. Puttagunta

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Education

The Ohio State University — **Expected Graduation: May 2027**
B.S. in Computer Science & Engineering | Specialization: Artificial Intelligence — *Columbus, OH*

- Minor: Business | **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

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 using Firebase, Node.js, and Express to retrieve and display volunteer tasks from a Firebase real-time database, enabling real-time updates and **handling 100+ tasks dynamically**
- Deployed as a web app using Firebase Cloud Functions, optimizing backend performance and **supporting 20+ users**

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, **automating 10,000+ 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**

Web Innovators Inc. — **Sept 2024 - Present**
Freelance Web Developer — *Columbus, OH*

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

Buckeye Autodrive — **Aug 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 an online fitness app that customizes workout plans based on user scores by leveraging machine learning to adapt routines to individual fitness levels, **improving recommendation accuracy by 15%**

Personal Financial Advisor | Python — **May 2024**

- Developed a Python application to analyze income and allocate spending across categories by implementing budgeting algorithms, improving financial responsibility and **optimizing budget allocation by 30%**

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