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 Machine Learning Engineer Intern   *Cleveland, OH*

Fisher College of Business   **Mar 2025 - Present**
Software Engineer Student Assistant   *Columbus, OH*
- Tasked with creating a real-time updating web repository to store data regarding consumer willingness to purchase pharmaceutical drugs based on factors such as the location in which they are produced
- Creating an image text scanner to extract drug information from labels and store relevant information into a database

The Ohio State University   **Nov 2024 - Present**
AI/ML Undergraduate Research Assistant   *Columbus, OH*
- Co-authored a research paper introducing an **815+ hour long-form audio benchmark** to evaluate emotion recognition and related tasks, **improving annotation accuracy by 28%** through optimized processing techniques
- Developed a Python script to automate audio segmentation and **mentored 4 student research assistants** in adapting to High-Performance Computing, enabling the **collection of 30,000+ usable data instances**

ServiQ   **Dec 2024 - Present**
Founder / Technical Operations Lead | Mar 2025 - Present   *Columbus, OH*
- Led outreach and operations of ServiQ, a SaaS service hub, **in contact with 100+ nation wide agencies**, ensuring seamless task postings, **resulting in a 30% increase in volunteer engagement with agency postings**

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**

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