Vishal S. Puttagunta

📞 (614) 815-4099 ✉ puttagunta.5@osu.edu 💼 linkedin.com/in/vishal-puttagunta ⭕ github.com/Vishal-Puttagunta

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

ServiQ   **Dec 2024 - Present**
Co-Founder | Feb 2025 - Present   *Columbus, OH*

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

Full-Stack Software Developer | Dec 2024 - Feb 2025

- Developed a Firebase-powered backend, enabling real-time updates for volunteer postings, ensuring seamless data flow
- Created an AI-based filtering tool in Python that personalizes volunteer task recommendations based on user interests
- Implemented a user authentication system, verifying agency credibility and fostering trust for volunteers to agencies

The Ohio State University   **Nov 2024 - Present**
AI/ML Undergraduate Research Assistant   *Columbus, OH*

- Trained a transformer-based generative language model by **leveraging a 4-GPU high performance computing training setup**, enhancing its ability to recognize patterns in text and generate original responses
- **Mentored 4 student researchers**, guiding them in adapting to High Performance Computing, successfully overseeing execution of scraping/labeling audio data, resulting in **collection of 8,000+ instances of usable data**

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

- Developed websites for small businesses **achieving 100% client satisfaction rate**, increasing online presence
- Configured DNS systems to **ensure 99.9% uptime** and seamless domain resolution for business-critical operations

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
- Authored software documentation and **presented insights to 20+ team leads,** promoting cross-team collaboration

Projects

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

- Developed AI fitness tool, **improving recommendations by 30%** specializing workouts based on score system
- Developed backend to implement AI model to calculate **"score" from 1-100** to develop personalized workouts

Expenditure Advisor   **Python**

- Developed an application to take in income and allocate spending across categories to insure financial responsibility
- Provided specific financial recommendations to users to enhance savings and reduce unnecessary spending

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: React.js, Node.js, CI/CD, AWS, Git, Azure, MongoDB, Firebase
Certifications: AWS Certified Cloud Practitioner, PCEP – Certified Entry-Level Python Programmer