

VISHAL S. PUTTAGUNTA

 US Citizen  vishal.s.puttagunta@outlook.com  linkedin.com/in/vishal-puttagunta  vishalputtagunta.com

Education

The Ohio State University

B.S. in Computer Science & Engineering

Specialization: Artificial Intelligence | Minor: Business

Expected Graduation: May 2027

Columbus, OH

GPA: 3.65/4.00

Relevant Coursework: Software 1: Software Components in Java, Engineering Calculus 2 & 3, Statistics for Engineers

- **Mount Leadership Scholars Society:** Chosen as 1 of 100 students to a competitive scholar program based on leadership qualities and community service and acted as a financial coordinator for service oriented events

Work Experience

Sherwin-Williams

Incoming Machine Learning Engineer Summer Intern

May 2025

Cleveland, OH

Fisher College | Operations and Business Analytics

Mar 2025 - Present

Software Engineer Student Assistant

Columbus, OH

- Scraped and processed pharmaceutical data from XML and JSON files using BeautifulSoup to accurately match NDCs with their respective manufacturers, set IDs, and labeler codes, **enabling organized mapping for 400,000+ records**
- Accelerated processing speeds by integrating multi-threaded XML download and parsing logic using ThreadPoolExecutor, **reducing estimated runtime from 53 hours to under 8**

ServiQ

Dec 2024 - Present

Co-Founder / Head of Operations | Apr 2025 - Present

Columbus, OH

- Led outreach and operations of ServiQ, a volunteer 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 - Apr 2025

- Deployed a data-fetching system using Firebase Cloud Functions as a web app using Node.js and Express to display volunteer tasks from a Firebase real-time database, enabling real-time updates and **handling 100+ tasks dynamically**

The Ohio State University

Nov 2024 - Apr 2025

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**
- Transformed and deployed a scalable data pipeline to **transcribe 10,000+ samples** from the GLUE benchmark into IPA, integrating Hugging Face datasets with custom preprocessing scripts to enable phonetic analysis for NLP research

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%**

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