Vishal S. Puttagunta

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

Education

The Ohio State University — **Expected Graduation: May 2027**
B.S. in Computer Science & Engineering — *Columbus, OH*
Specialization: Artificial Intelligence | 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 - Present**
Machine Learning Engineer Intern — *Cleveland, OH*
- Developing machine learning models to analyze and quantify color discrepancies between Sherwin-Williams standardized palettes and chemistry lab-produced colors, enabling precise alignment through data-driven matching tools

Fisher College | Operations and Business Analytics — **Mar 2025 - Present**
Data Engineer Student Assistant — *Columbus, OH*
- Scraped pharmaceutical data from XML and JSON files using BeautifulSoup to match NDCs with their manufacturer DUNS number as well as their FDA assigned FEI number, **enabling organized mapping for 400,000+ records**
- Accelerated processing speeds using ThreadPoolExecutor, **reducing estimated runtime from 53 hours to under 8**

ServiQ — **Dec 2024 - Present**
Co-Founder / Head of Operations | May 2025 - Present — *Columbus, OH*
- Led outreach and operations of ServiQ, **resulting in a 30% increase in volunteer engagement with postings**
- Oversaw agile sprints and coordinated social outreach timelines using Trello and weekly stand-ups with members

Backend Software Developer | Dec 2024 - May 2025
- Deployed a data-fetching web app with Firebase using Node.js and Express, **handling 100+ tasks dynamically**
- Collaborated with frontend developers to integrate real-time features and resolve bugs through clear documentation

The Ohio State University — **Nov 2024 - Apr 2025**
AI/ML Undergraduate Research Assistant — *Columbus, OH*
- 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
- Co-authored research paper introducing a long audio benchmark; **developed script to collect 30,000+ instances**
- **Mentored 4 research assistants** and coordinated weekly meetings to communicate progress and align on project goals

Leadership Experience

Undergraduate Research Association — **Apr 2025 - Present**
VP of Outreach & Technology — *Columbus, OH*
- Led the development of the official website, **boosting early member engagement by 40% in the first month**
- Established partnerships with professors across 5 departments to help undergraduates find tailored research positions

Mount Leadership Scholars Society — **Aug 2024 - Present**
Financial Coordinator — *Columbus, OH*
- **Chosen as 1 of 100 students** to a competitive scholar program based on leadership qualities and community service
- Acted as financial coordinator for service events, **managing $600+ budgets** per event for agencies across Central Ohio

Projects

AI-Enhanced Wellness Coach | PyTorch, JavaScript, HTML, CSS, GPT-4o — **Oct 2024**
- Developed app that uses machine learning to create workout plans, **improving recommendation accuracy by 15%**

Personal Financial Advisor | Python — **May 2024**
- Developed a Python application to analyze income and spending distruction, **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, SQL/NoSQL (Postgres, MongoDB, Firebase)
Certifications: AWS Certified Cloud Practitioner, PCEP – Certified Entry-Level Python Programmer