

VISHAL S. PUTTAGUNTA

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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; acted as a financial coordinator for service oriented events

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 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 | May 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**
- Oversaw agile sprints and coordinated social outreach timelines using Trello and weekly stand-ups, ensuring deliverables were met across a 5-member team, **resulting in a 35% boost in agency engagement**

Backend Software Developer | Dec 2024 - May 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**
- 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

- Co-authored a [research paper](#) introducing an 815+ hour audio benchmark for emotion recognition; **developed a data collection script that enabled 30,000+ usable instances and improved annotation accuracy by 28%**
- 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
- **Mentored 4 research assistants** and coordinated weekly meetings to communicate progress and align on project goals

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, SQL/NoSQL (Postgres, MongoDB, Firebase)

Certifications: AWS Certified Cloud Practitioner, PCEP – Certified Entry-Level Python Programmer