

# VISHAL S. PUTTAGUNTA

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## Education

### The Ohio State University

*B.S. in Computer Science & Engineering*

*Specialization: Artificial Intelligence*

**Expected Graduation: May 2027**

*Columbus, OH*

**Major GPA: 3.87/4.00**

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

## Work Experience

### Sherwin-Williams

*Data Science ML Intern*

**May 2025 - Present**

*Cleveland, OH*

- Developing software powered by neural networks to analyze satellite data and identify buildings in need of paint work

### Fisher College | Operations and Business Analytics

*Data Engineer Student Assistant*

**Mar 2025 - Present**

*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**
- Merged multi-source pharmaceutical data by linking XML-based manufacturer metadata with JSON-based OpenFDA records to construct a unified, FEI-tagged dataset for regulatory analysis

### The Ohio State University

*AI/ML Undergraduate Research Assistant*

**Nov 2024 - Apr 2025**

*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

*VP of Outreach & Technology*

**Apr 2025 - Present**

*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

*Financial Coordinator*

**Aug 2024 - Present**

*Columbus, OH*

- Chosen as 1 of 100 students** to a competitive scholar program based on leadership qualities and community service

## Projects

**Lavure** | Python, Next.js, SQL, CSS

**May 2025 - Present**

- Built AI tool to generate team performance reports, **increasing average team productivity by 17% after 2 weeks**

**ServiQ** | HTML, JavaScript, CSS, Node.js

**Dec 2024 - Present**

- Developed platform to streamline volunteer coordination; merged with a software company to accelerate feature delivery

**Vacation Rental Web Platform** | HTML, JavaScript, CSS, Node.js

**Apr 2025**

- Developed a website for a Florida rental property, **driving a 35% increase in reservations within 3 weeks**

**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%**

## 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