

VISHAL S. PUTTAGUNTA

🇺🇸 US Citizen

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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 2: Development and Design, Foundations 1: Discrete Structures, Statistics for Engineers

WORK EXPERIENCE

Centec

Software Engineer Intern

Aug 2025 - Present

Miami, FL

- Integrating predictive engines into Spring Boot and React, enabling brokers to access AI-driven seller and buyer insights
- Building pipelines to process DAP/DOP digital twins, enabling deal visualizations and predictive Matchboard

Sherwin-Williams

Data Science Intern

May 2025 - Aug 2025

Cleveland, OH

- Developed UNET models in TensorFlow to detect roof damage from satellite imagery, **enabling \$100M+ in savings**
- Implemented custom dice loss functions in existing TensorFlow models, **reducing false positives by 27%**
- Led migration to Azure ML by rewriting training scripts; documented architecture **now used by 20+ developers**

Fisher College | Operations and Business Analytics

Software Engineer Student Assistant

Mar 2025 - Present

Columbus, OH

- Built full-stack platform with Next.js, Supabase, and PostgreSQL to provide NDC lookups for **200+ monthly users**
- Scraped pharmaceutical JSON data with BeautifulSoup to **map 400K+ NDCs** to manufacturer FDA FEI numbers

The Ohio State University

AI/ML Undergraduate Research Assistant

Nov 2024 - Apr 2025

Columbus, OH

- Deployed pipeline to **transcribe 10K GLUE samples into IPA**, integrating HF datasets with custom preprocessing
- 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 CS research events connecting **50+ students** with positions, and **increasing research collaborations by 24%**
- Built and deployed a research database with **100+ professor profiles**, streamlining student access to opportunities

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

[ServiQ](#) | HTML, JavaScript, CSS, Node.js

Dec 2024 - Present

- Built ServiQ, a full-stack B2B volunteer registration platform that **onboarded 300+ users in the first month**
- Launched personalized, white-labeled ServiQ instances for partner nonprofits, **supporting 2 organizations**

[Lavure](#) | Python, Next.js, SQL, CSS

May 2025 - Present

- Built an AI productivity platform with FastAPI and Supabase, **automating 20+ reports for student teams**

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript, SQL, HTML/CSS, Bash

Tools & Frameworks: React, Node.js, Express, Git, Docker, Kubernetes, MongoDB, REST APIs, Firebase

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