ANSH BHANUSHALI

Cincinnati Ohio 45219 | +1 (513) 764-3425

https://github.com/AnshBhanushali | bhanusad@mail.uc.edu | https://www.linkedin.com/in/anshbhanushali/

Personal Website: https://anshbhanushali.github.io

EDUCATION

University of Cincinnati **Expected Graduation: 2026**

Bachelor of Science in Computer Science, Minor in Finance **GPA: 4.00**

Primary Coursework: Data Structure & Algorithms, Software Engineering, Database Design, Principals of AI, Data Science

SKILLS

Languages: Python, C++, Java, JavaScript, Flutter, Swift, HTML, CSS, LC3, MATLAB, LabView, VBA

Software: Git, Linux, Jenkins, GCP, AWS, Dockers, Airflow, Azure, Jira

Libraries and Frameworks: Django, NodeJS, React, Flask, Maven, NumPy, Pandas, Seaborn, OOP, Data Analysis

WORK EXPIRIENCE

SIEMENS **MILFORD, OH**

Software Developer Intern August 2024 - Present

- Designed and implemented Generative AI models to automate predictive maintenance resulting over 20% increase in operational efficiency and 15% reduction in manual intervention
- Spearheaded the migration of 5 legacy application to Azure and its data to Cosmos DB, enhancing scalability and reducing infrastructure cost by 25%.
- Engineered robust web scrapping solution to collect and process over 1 million data points, supporting data driven decision making and contributing to a 40% increase in data availability for analytic and prediction projects

DEPARTMENT OF COMPUTER ENGINEERING **CINCINNATI, OH**

Undergraduate Research Assistant April 2024 - Present

- Engineered and maintained specialized software applications for voice modulation using Python, Node.js and React
- Partnered with a multidisciplinary team of researchers and clinicians to implement 25 interactive voice modulation tools
- Managed the collection and interpretation of over 15000 data points contributing to 40% improvement in therapeutic disorders

CEAS **CINCINNATI, OH**

Software Developer Intern August 2023 - December 2023

- Led the development of 5 new features for the company's flagship products, resulting in 25% improvement in user experience
- Collaborated with cross-functional teams to analyze requirement, design solutions resulting in effective completion of project
- Participated in code reviews to ensure code quality, maintainability, and adherence to industrial best practices

PROJECTS

Snap Safari GitHub

Flask-Based Web Application for Animal Identification April 2024

- Integrated a ResNet50 model built with PyTorch to accurately identify animal species from uploaded images, achieving an accuracy rate of 85% based on validation datasets.
- Optimized image processing pipelines to ensure rapid analysis and prediction, reducing average response time by 40%
- Integrated an external API to fetch and display detailed information about the predicted animal species, enhancing user education and engagement.

Chat Application with AI GitHub

Flask-Based Web Application for enhancing messaging feature with AI May 2024

- Developed a chat application with AI capabilities using Django framework and SQL database
- Integrated natural language processing algorithm to enable chatbot to understand and respond to user queries intelligently
- Implemented features such as real-time messaging, user authentication and chat history storage to provide communication

Medical GPT – GitHub

Flask-Based Web Application providing medical advises using AI June 2024

- Developed AI-powered medical advice using a fine-tuned GPT model, ensuring accurate and reliable responses
- Integrated natural language processing algorithms to enable the chatbot to understand and respond to user medical queries
- Optimized chatbot performance**,** reducing response time by 35% and enhancing overall user experience.

AVAILABLE FOR CO-OP: SPRING/ SUMMER 2024