Rahul Medicharla
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TECHNICAL SKILLS

- **GitHub**: github.com/rahulmedicharla
- Experience building dynamic applications with GCP, Azure, React, Ruby, .NET, SQL, and Docker
- Audio and visual recognition using Python, OpenCV, Speech Recognition
- Training and testing 3D object detection and tracking ML models
- Experience and familiarity in fundamental languages such as Java, C, and Python

EDUCATION

Ohio State University, Columbus OH **Graduation**: May 2025
Bachelors of Science | Computer Science Engineering **GPA: 3.68/4.0**
Focus: Software Development

PROFESSIONAL EXPERIENCE

Software Engineer Intern at Willow Tree Apps May 2023 - current

- Currently interning at a software application company on a cross functional team to deploy mobile and web applications to clients.
- Primarily engaging in back-end development with C#, .NET framework, and a Azure cloud services

3D Perception Team Member of Buckeye Autodrive January 2023- current

- Four-year competition to develop a Stage IV automated vehicle to traverse urban roads.
- Tested and visualized a 3D object tracking model to track vehicles and pedestrians.
- Created and integrated a 3D dynamics module to get real time speed of objects into pipeline.

TOYMAKERS – Application Developer June 2022 - August 2022

- Developed React Native application to make event organization with friends simple.
- Shares real-time location of your friends and current events onto a map using Google Cloud Platform's real time database and Google Places API.
- Enables meeting new people through a unique friends of friends RSVP mechanism for events.

PERSONAL PROJECTS

mood.ai March 2023

- Developed a program to capture the essence of a memory stored in a video as AI generated art.
- Implemented numerous audio and video machine learning models to inference data about a video/audio clip.
- Utilized OpenAI's ChatGPT and DALLE-2 API's to convert data into art

Audio Studio - 5th place project out of 1,000 participants at annual Hackathon October 2022

- Developed a custom speech to code editor to make programming more accessible.
- Implemented speech to text with Google's Speech Recognition API
- Mapped conversational text to code logic and created a nested recursive representation with CFG's.
- Output text onto custom IDE that runs functional Python code through voice commands.

AFFILIATIONS

- **Co-Founder/Treasurer** of The Cooking Club — August 2022 – current
- **Treasurer** of the Collaborative Programming Club — November 2022 – May 2023