ATHULYA GANESH

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EDUCATION

University of Cincinnati Cincinnati, OH
Masters of Engineering in Computer Science GPA: 4.0 / 4.0
Bachelor of Science in Computer Science GPA: 3.9 / 4.0
- Expected <u>Combined</u> Graduation**:** *May 2024*

RELATED EXPERIENCE

Nokia **Westford, MA**
Embedded Software Engineer Intern *May 2023 – August 2023*
- Achieved precise validation and industry compliance with advanced Ethernet OAM Testbench development
- Enhanced code quality and maintainability through pivotal role in testbench code cleanup changing over 100 files
- Accomplished a 20% improvement in testing efficiency through collaborative efforts with cross-functional teams

MEMs and Autonomous Integrated Microsystems Laboratory **Cincinnati, OH**
Part-Time Student Research Worker *January 2023 – Present*
- Ensured miner safety with a web app presenting 36 live biosensor graphs with air quality
- Improved lab efficiency by streamlining 3D printer and inventory manuals, supporting all members' printing needs
- Refined lab procedures, ensuring physical safety and productivity for over 30 lab members

FOX Sports **Cincinnati, OH**
Software Development Intern - Android Application *May 2022 – August 2022*
- Optimized functionality of user-facing app segment by crafting user interface tests for 20+ pages
- Elevated software functionality through feature development and debugging in collaboration with software team
- Achieved project success by facilitating standups as a substitute project manager for a brief 2 week period

Infinera **San Jose, CA**
ASIC Intern *August 2021 – December 2021*
- Implemented a health checker API for ASIC chips, improving error traversal and register-level logging
- Attained a 99% accuracy rate through unit testing, ensuring dependable functionality across all departments
- Documented API development process, ensuring clear communication within organization

i-CDCU Lab **Cincinnati, OH**
Web Development Intern *January 2021 – April 2021*
- Created a versatile collaboration platform for managing project files, fostering collaboration among 35 members
- Enhanced security and user experience by redesigning and optimizing 3 different login and signup pages
- Collaborated closely with project stakeholders to gather requirements and execute solutions effectively

TECHNICAL SKILLS

- **Programming Languages**: C++, Python, JavaScript (NodeJS, ReactJS), HTML/CSS
- **Database**: SQLite, MongoDB
- **Tools:** Docker, AWS, Git
- **Certifications:** Microsoft AZ-900 Cloud Certificate

PROJECT EXPERIENCE

DanceVision *September 2023 - Present*
- Implementing a gamified video-performance based karaoke web application with audio/video processing

CEAS Tribunal Event Management Website *May 2023 - Present*
- Initiated and guided crucial feature development with React while mentoring junior developers

Azure Web App for Customer Behavior Analysis *April 2023*
- Developing a secure Azure web app with an interactive dashboard to visualize over 10,000 lines of data

LEADERSHIP EXPERIENCE

- **CEAS Student Program Leader**, *University of Cincinnati* *August 2023 - Present*
- **Resident Advisor**, *University of Cincinnati* *August 2022 - Present*
- **CEAS Ambassador,** *University of Cincinnati* *August 2021 - Present*

HONORS

- **Dean's List**, *University of Cincinnati* *August 2019 - Present*
- **Scholarships,** *University of Cincinnati*
  - National Co-op Ambassador *May 2023*
  - University of Cincinnati International Outreach *August 2019 - Present*
  - University of Cincinnati Global Scholar *August 2019 - Present*