

ATHULYA GANESH

Available in Summer 2023

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EDUCATION

Bachelor of Science, Computer Science (5-year program)

GPA: 3.899/4.0

Master of Engineering, Computer Science (combined)

GPA: 4.0/4.0

University of Cincinnati, College of Engineering and Applied Sciences, Cincinnati, OH

Expected Graduation: May 2024

- Dean's List: Fall 2019 – Present
- UC Global Scholarship and UC International Outreach Scholarship
- UC Honors Scholar

WORK EXPERIENCE

MEMS and Autonomous Integrated Microsystems Laboratory

Cincinnati, OH

Part-time Undergraduate Worker at the University of Cincinnati

January 2023 – Present

- Developing and testing the algorithm to collect data from respiratory biosensors using Raspberry Pi
- Contributing to biosensor development for a project dedicated to patients undergoing muscle atrophy post-surgery

FOX Sports

Cincinnati, OH

Software Development Intern – Android Mobile Application

May 2022 – August 2022

- Create, test, debug, document and implement software features, working directly with the developer team
- Created user interface tests for over 20 pages of the application thus ensuring that the user-facing portion of the app is functional
- Spearheaded agile ceremonies for a brief period to gain experience with project management

Infinera

San Jose, California

Application Specific Integrated Circuit Engineering Intern

August 2021 – December 2021

- Designed and developed a health checker API for the ASIC chip capable of traversing and logging register-level errors
- Performed unit testing on the health checker to be used by all departments to ensure correct functioning (with 99% accuracy)

Innovative Clinical Data Capture and Use Lab

Cincinnati, OH

Web Development Intern

January 2021 – April 2021

- Improved 3 login/signup pages thus ensuring security and an enhanced user experience
- Created a platform to add, edit, delete and download project files allowing 35 lab members to collaborate on research

TECHNICAL SKILLS

- **Programming Languages:** C++, C, C#, Python, MATLAB, R, LabVIEW, Kotlin, Java, JavaScript, HTML, CSS
- **Operating Systems:** Windows, LINUX/UNIX, macOS
- **Database Management:** MS-SQL, SQLite, MySQL
- **IDE:** VS Code, Android Studio, QT Creator, PyCharm
- **Tools:** Git, Kubernetes, Charles Proxy, CUDA, Jira, REST API, Raspberry Pi
- **Libraries/Frameworks:** React.js, Node.js, Flask, Web.py, Bootstrap

PROJECTS

Personal Health Training Website

January 2023 - Present

- Designing and building a personal health website where users are given diet and exercise tips based on their body metrics and current health conditions

Bulletin Board Messaging System

November 2022

- Created a messaging system using a multi-threaded TCP server to allow multiple users to post/view public and private messages

Flask-Blog

December 2021

- Built a web application based on a blog where users can log in, add, delete, or edit posts and view them in chronological order

LEADERSHIP

Resident Advisor, Housing Department at the University of Cincinnati

August 2022 - Present

Desk Assistant, Housing Department at the University of Cincinnati

August 2021 – December 2022

Virtual Grace Hopper Conference Scholarship Recipient

September 2021