ATHULYA GANESH

Available in Summer 2023

Lnuas@mail.uc.edu | (513)-884-9602 | https://github.com/athulyaganesh | https://www.linkedin.com/in/athulya-ganesh/

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 to Present
- UC Global Scholarship and UC International Outreach Scholarship
- UC Honors Scholar

WORK EXPERIENCE

FOX Sports   **Cincinnati, OH**
Software Development Intern – Android Mobile Applications   *May 2022 – August 2022*

- Responsible for software maintenance and additions across the codebase which required wide understanding of the internals of the software and systems
- Created User Interface tests with mock data to make sure that the user-facing portion of the app functions correctly for over 20 pages of the application
- Spearheaded agile ceremonies for a short period of time 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 15 top level registers and logging errors
- Performed unit testing on the health checker to ensure correct functioning of the tree traversal algorithm proving that the health checker was 90% accurate
- Gained valuable knowledge regarding threading, data structures, testing, tree libraries, Python, PyCharm, Git and Bitbucket

Innovative Clinical Data Capture and Use Lab (ICDCU)   **Cincinnati, OH**
Web Development Intern   *January 2021 – April 2021*

- Improved 3 login/signup pages thus ensuring security and an enhanced user experience utilizing SQLite, Python, Bootstrap, HTML and CSS
- Modified the pages to behave in a more user-friendly and intuitive manner
- Created a platform to add, edit, delete projects, download/unzip and e-mail files, update user details and invite new users via e-mail, allowing 35 users to collaborate on research projects

The Indian High School   **Dubai, UAE**
Technology Intern   *May 2020 – July 2020*

- Trained 50 teachers to operate learning platforms ensuring smooth online learning experience
- Assisted in implementation of an online examination software enabling 200 students to take their final examinations
- Explored the options available to implement online learning in a sustainable manner for students

TECHNICAL SKILLS

- **Programming Languages:** C++, C, C#, Python, MATLAB, R, LabVIEW, SQL, Kotlin, Java
- **Tools/OS:** Git, HTML, CSS, VS Code, PyCharm, Android Studio, QT Creator, MS-SQL, PostgreSQL, SQLite, MySQL, Windows, macOS, Git, Bitbucket, GitHub, Jira, Confluence, Quip, Charles Proxy, LINUX/UNIX, CUDA
- **Libraries/Frameworks**: Flask, Web.py, Bootstrap, TensorFlow, NumPy, Pandas, Matplotlib, Treelib

PROJECTS

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

Tournament Tracker Application   *August 2021*

- Developed a desktop application capable of tracking games played and winners, tracking competitors, building a tournament plan, scheduling games, and calculating eliminations

Flask-Blog   *December 2020*

- 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, University of Cincinnati Housing Department   *August 2022 – Present*

Desk Assistant, Housing Department   *August 2021 – Present*

Virtual Grace Hopper Conference Scholarship Recipient   *September 2021*