

# Anisha Ranjan

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## Education

**University of Central Florida – Orlando, FL**

May 2024

*Bachelor of Science in Computer Science*

GPA: 3.7

**Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, Computer Logic and Organization, Programming Languages, Database Management Systems, Systems Software, Algorithms for Machine Learning, Artificial Intelligence

## Technical Skills

**Languages:** Java, C, JavaScript, C#, C++, Python, HTML/CSS, Haskell

**Technologies:** React, Angular, ASP .NET, Flutter, Node.js, Express.js, jQuery, Selenium, Jasmine

**Tools:** Git, GitHub, Visual Studio, Visual Studio Code, MongoDB, SQL Server Management Studio, Heroku, Unity, Expo Go, Postman

## Experience

**Full Stack Software Engineering Intern – Orlando, FL**

November 2022 – Present

*Lockheed Martin*

- Constructed user-friendly design improvements for data manager applications using C#, Angular, and ASP .NET such as data table manipulation, implementing page design mockup, incorporating tooltips, and more to enhance the UI/UX
- Spearheaded automation test cases using the Page Object Model (POM) design pattern in Robot Framework, Python, and Selenium to improve maintainability and modularity of automated tests, resulting in more efficient and scalable code

**Undergraduate Research Assistant – Orlando, FL**

January 2022 – August 2022

*Socio-Technical Interaction Research (STIR) Lab at UCF*

- Collected and analyzed qualitative and quantitative data pertaining to Android mobile privacy and security to evaluate the effectiveness of app features through interviewing 25 participants and using Dedoose and Excel while contributing to 22% of the overall qualitative data analysis for Wilcoxon Rank-Sum Tests
- Maintained the lab website to display an up-to-date repository of recently published research papers using HTML and CSS

**Communications Director – Orlando, FL**

December 2021 – Present

*Knight Hacks*

- Increased the technical proficiency amongst students by publishing 120+ hours of videos to make workshops accessible through online platforms, elevating the total user engagement across all platforms by 43%
- Helped students prepare for the Computer Science Foundation Exam by creating a workshop series that covered previous exam questions, practice exercises, and reviewed data structures and algorithms, accumulating 3.6K+ views
- Promoted University of Central Florida's hackathon to students across Florida through social media platforms, gaining 1.1K+ registrations and 700+ attendees

## Projects

**KnightAssist – Orlando, FL**

September 2023 – Present

*Project Manager, Frontend*

- Created and led the design and implementation of a MERN stack Volunteering Service Platform web and mobile application from scratch with a team of 5 students to digitalize volunteer processes between students and organizations
- Devised web/mobile user interfaces for student, organization, and admin users through performing usability testing with on-campus organizations and UCF Faculty, resulting in various changes for an enhanced and accessible user experience

**Course Schedule Builder – Orlando, FL**

March 2023 – May 2023

*Frontend*

- Consulted with a team of 7 students to deploy a MERN stack web and mobile application through Heroku and Expo Go to effectively assist students with registering for classes using a topological sorting algorithm for DAG to account for prerequisites
- Developed the user interface for the web application using React and created a secure authentication and authorization by integrating JWT

**Eureka! – Orlando, FL**

March 2024 – Present

*Full Stack*

- Passion project inspired by a humanities course, leveraging Angular and Spartan UI to enable users to interact with a ChatGPT-powered chatbot and engage in conversation with my favorite historical figures