

# Maryan Dehipitiarachchi

Software Engineer and AI Intern

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## SUMMARY

Detail-oriented Computer Science undergraduate with experience in software engineering, agile development, and system integration. Skilled in Python, Java, React, and modern development practices, including CI/CD, containerization, and infrastructure-as-code. Adept at delivering impactful solutions and collaborating in cross-functional teams to solve business-critical problems.

## EDUCATION

### Bachelor's degree, Computer Science

The University of Georgia

08/2022 - 05/2026

## EXPERIENCE

### AI and Analytics Specialist Intern

Atlanta, GA

[Avanos Medical](#)

06/2024 - 08/2024

Company Description

- Developed a ServiceNow Chatbot with Azure AI services, automating workflows and reducing IT support response times by 30%.
- Automated data pipelines and incorporated Microsoft Copilot Studio to enhance self-service functionalities, increasing employee productivity by 15%.
- Collaborated cross-functionally to optimize user experience and implement scalable solutions.

### Undergraduate Research Assistant

Athens, GA

[The University of Georgia](#)

08/2023 - 06/2024

Company Description

- Improved early osteoarthritis detection accuracy by 25% by applying deep learning models (UNet) on medical MRI data.
- Segmented MRI scans of knee cartilage using ITK-Snap to create datasets for deep learning models, focusing on early detection of osteoarthritis.
- Automated time series evaluations, enhancing model accuracy and system efficiency.
- Partnered with a multidisciplinary team of 7 graduate students to develop innovative AI solutions for healthcare.

### Community Services Assistant

Athens, GA

[The University of Georgia](#)

04/2023 - 05/2023

Company Description

- Provided comprehensive assistance to students, addressing their needs.
- Played a pivotal role in creating and maintaining an enriching and supportive living environment for residents.
- Sort, record, distribute and forward mail, packages and newspapers according to United States Postal Service regulations and community procedures.
- Participate in all meeting activities including staff meetings, community staff meetings and one-on-one meetings with supervisor.

## CERTIFICATION

### Unity Certified Associate: Game Developer

[Unity Technologies](#)

### Microsoft Certified: Azure AI Fundamentals

[Microsoft](#)

## PROJECTS

### Cinema Ebooking System

08/2024 - 12/2024

Developed a full-stack web application for cinema ticket booking using Next.js, React, and MongoDB, implementing managing movie showtimes, seat reservations, and secure payments.

- Implemented Agile methodologies for iterative development, including sprint planning, stand-ups, and retrospectives, to ensure timely delivery of features.
- Integrated modern CI/CD practices and enhanced system availability through secure authentication and responsive design.
- Collaborated with a team of 5 developers, ensuring alignment on code standards and project goals.

PROJECTS

**Blue-Knot: Sustainable Seedling Winner**

10/2023

Built a Chrome browser extension with a SpringBoot backend to detect and alert users about products generating microplastics during online shopping as an effort to aid in ocean sustainability.

- Integrated Spring Framework middleware to enable seamless communication between the frontend and backend systems and enhanced user experience through real-time product alerts, utilizing web scraping and integration with REST APIs for environmental impact data.
- Contributed to winning the Sustainable Seedling Award by presenting an innovative solution with a potential to reduce microplastic consumption.

**Exam Tracker Web Application**

03/2024 - 05/2024

Developed exam tracking application to help students with exam preparation and time management

**Music Search App**

03/2023 - 05/2023

- Innovatively designed and developed an application in Java.
- Seamlessly integrated REST APIs from Apple and Spotify to enhance functionality

CAMPUS AND COMMUNITY INVOLVEMENT

**Peer Tutor**

01/2024 - 08/2024

[University of Georgia](#)

- Assisted students in physics, statistics, python programming, algorithmic problem-solving, and software engineering topics.
- Utilized visualization tools like matplotlib and Tableau during tutoring sessions to clarify challenging data science and statistical topics.

**Member**

Date period

[Kappa Theta Pi](#)

Describe the organization or the project you worked on.

- Developing technical skills and professionalism while fostering strong friendships and networking.

**Fundraising chair, Marketing Chair**

Date period

[Sigma Sigma Rho Sorority Inc.](#)

Advocated for Domestic Violence Awareness and Prevention through dedicated community service and fundraising efforts

- As the Fundraising Chair, leading brainstorming sessions and organizing successful fundraising events
- Hold the position of Marketing Chair, driving the promotion of rush events and the creation of merchandise

**Hospitality Committee Member**

Date period

[Indian Cultural Exchange\(ICX\)](#)

Coordinate logistics for participating dance groups in one of the biggest multicultural events of the year

- Manage housing, food, transportation, and other essential arrangements
- Actively participate in meetings, contributing ideas for merchandise, decor, and food
- Establish relationships with local food vendors, securing catering and sponsorships
- Contribute to community enrichment and event funding through successful partnerships

**Eagle Scout**

01/2022

[Boy Scouts of America](#)

- Led a school play area construction project and held multiple leadership roles in the troop, demonstrating project management and team coordination skills.

SKILLS

Python, Java, C/C++, C#, R, SQL, MATLAB, JavaFX, React.js, Next.js, Node.js, TensorFlow, PyTorch, SpringBoot, Unity

Scikit-learn, Pandas, NumPy, Generative AI, NLP, Jupyter, Genetic Algorithms, Time Series Analysis, Image Segmentation, Chatbot Development

MongoDB, mySQL, Azure Data Factory, Microsoft Fabric

## SKILLS

AWS, Microsoft Azure, Docker, Kubernetes, GitHub, Git, Microsoft Copilot, ServiceNow, Jupyter, Emacs, VS Code, Linux/Unix, Pipelines, Multithreading

Web Design, HTML, CSS, JavaScript, React.js, Node.js, API Development, Web Applications

Agile, CI/CD, Infrastructure-as-code, Microservices Architecture, Object-Oriented Programming (OOP), Project Management, Requirements Gathering, Time Management, Organization Skills

Communication, Customer Service, Leadership, Team Management, Problem Solving, Adaptation, Time Efficiency