

Maryan Dehipitiarachchi

Software Engineer and AI Intern

maryan.dehi@gmail.com <https://www.linkedin.com/in/maryan-dehipitiarachchi/> University of Georgia



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](#)

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](#)

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](#)

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

[University of Georgia](#)

01/2024 - 08/2024

- 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

[Kappa Theta Pi](#)

Date period

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

[Boy Scouts of America](#)

01/2022

- 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