

# Nehaa Umapathy

Suwanee, GA 30024 • nehaau2305@gmail.com • [linkedin.com/in/nehaa-umapathy](https://www.linkedin.com/in/nehaa-umapathy)

## EDUCATION

### University of Georgia

*Bachelor of Science in Computer Science*

Emphasis in Software Design

Certificate of Applied Data Science

Zell Miller Scholarship

Athens, GA

May 2026

Current cumulative GPA: 3.91/4.0

December 2025

## DISTINCTIONS

Presidential Scholar

Dean's List

Spring 2023, Fall 2023

Spring 2024, Spring 2025

## RELEVANT CLASSWORK

Web Programming, Data Science 1, Mobile Software Engineering, Software Engineering, Cybersecurity, Database Management, Computer Networks, Computer Architecture Organization, Systems Programming, Algorithms, Data Structures, Software Development, Statistical Methods

## SKILLS

**Programming Languages:** Java, C, C++, SQL, HTML, CSS, Python, XML, JavaScript

**Frameworks & Libraries:** Spring Boot, React, Scikit-Learn, Matplotlib, Pandas, NumPy

**Tools & Technology:** Windows, Unix, Android Studio, MySQL, Git, GitHub, Postman, Figma, MATLAB, JMP

## WORK EXPERIENCE

### Undergraduate Teaching Assistant, Systems Programming

January 2025 - May 2025

*University of Georgia*

Athens, GA

- Graded 50+ weekly programming assignments in C on inter-process communication, providing detailed feedback to each student regarding debugging code to help students improve their understanding and address errors.

## PROJECT EXPERIENCE

### Cinema e-Booking Web Application

Spring 2025

- Led a team of developers in an Agile setup to develop a full-stack application to allow users to book movie tickets.
- Designed the database architecture and implemented secure role-based user authentication using JSON Web Token.
- Implemented an AES-encrypted credit card storage system and profile management functionalities.

### Banking Web Application

November 2024

- Collaborated with teammates to develop a full-stack web app for a banking system using Java, JavaScript, & CSS.
- Built the backend with Spring Boot and frontend with React, using RESTful APIs for client-server communication.
- Engineered the frontend and backend of profile management and transaction update functionalities.

### Relational Database

September 2024

- Collaborated with peers to implement relational algebra operators in Java using a B+ Tree.
- Optimized query performance by implementing key-based indexing significantly improving data lookup speed.
- Maintained data integrity and consistency across multiple tables ensuring reliable and error-free data management.

### JavaFX

April 2023

- Developed JavaFX GUI application to receive user input on a country name to display the corresponding output.
- Integrated data from multiple RESTful JSON APIs to display the sunrise and sunset times of the country's capital.
- Engineered a user-friendly, intuitive interface for seamless user interaction and efficient data display.

### UGAHacks8 Little Deeds Website

February 2023

- Created a website to encourage people to complete eco-friendly tasks through a points-based competition.
- Collaborated with a partner to create a website using the Velo API.
- Designed and implemented the website's UI using Figma, ensuring a user-friendly and visually appealing interface.

## CAMPUS & COMMUNITY INVOLVEMENT

UGA Society for Cybersecurity, *Member*

August 2024 – Present

- Connected with professionals to gain insights on daily responsibilities, challenges, and the evolving field.

UGA girls.code, *Member*

August 2022 – Present

- Enhanced technical knowledge & skills through workshops and acquired career insights through expert panels.