

# Indira Tatikola

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## EDUCATION

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### Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science*

*May 2026*

- **Major:** Computer Science, Intelligence and Systems and Architecture | **GPA:** 4.0
- **Selected Coursework:** Data Structures and Algorithms, Object-Oriented Development, Objects and Design, Systems and Networks, Introduction to Artificial Intelligence, Machine Learning
- **Organizations:** Society of Women Engineers, Georgia Tech Trading Club, Alpha Xi Delta

## EXPERIENCE

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### Akamai Technologies

May 2024

*Incoming Software Engineer Intern*

*Cambridge, MA*

### Intelligent Vision and Automation Laboratory

January 2024 – Present

*Undergraduate Research Assistant*

*Atlanta, GA*

- \* Embedded into the Scene Understanding and Manipulation research group as part of the Vertically Integrated Projects (VIP) program at Georgia Tech
- \* Wrote a generalized API for long-term object detection and memory by refactoring legacy code that was unique to individual robots in the lab
- \* Writing a class abstraction which supports many graph packages including NetworkX
- \* Developing with Docker and Git in large codebases with many independent contributors

### College of Computing at Georgia Institute of Technology

May 2023 – Present

*Undergraduate Teaching Assistant*

*Atlanta, GA*

- \* UTA for Data Structures and Algorithms, working in collaborative, team-based environment of roughly 60 TA's to enhance course resources for over 1000 students per semester
- \* Created 16 comprehensive recitation slide decks on all DSA topics, leading to a uniform, high-quality recitation for all students (available publicly on GitHub)
- \* Wrote detailed documentation on coding homework solutions, causing a decrease in office hour wait times
- \* Testing and debugging software to provide written feedback on 25 Java coding assignments per week

## PROJECTS

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### SpotifyWrapped | *Java, Android Studio, Firebase, Spotify API, Git*

April 2024

- \* Generated data visualization graphics by making calls to the Spotify API, allowing users to see accurate, visually appealing summaries of their recent Spotify activity
- \* Used Firebase to create persistent account system, allowing users to see their past summaries

### CodeGradr | *Python, Flask, HTML/CSS, JavaScript, OpenAI API, AWS, Git*

February 2024

- \* Developed a full-stack web application using Flask, HTML/CSS, and JavaScript as the frontend, hosted on an AWS server through an EC2 instance
- \* Integrated the OpenAI API to provide AI-generated feedback on Java coding homeworks

### FakeFeed | *Java, Python, SQL, Android Studio, Instagram Graph API, Git*

December 2023 - Present

- \* Leading team of four officers in developing a mobile application to deliver data-driven, actionable recommendations that increase social media engagement
- \* Simulating the Instagram interface with added features to test different feed appearances

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, HTML/CSS, JavaScript, SQL

**Libraries:** Pandas, NumPy, OpenAI, Scikit-learn, Matplotlib, JUnit

**Other Tools:** Git, Docker, FireBase, Flask, AWS

**Professional Skills:** Verbal Communication, Written Communication, Public Speaking