

Indira Tatikola

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EDUCATION

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, Introduction to Artificial Intelligence, Systems and Networks, Object-Oriented Development, Linear Algebra, Introduction to Computer Architecture
- **Organizations:** Society of Women Engineers, Georgia Tech Trading Club, Alpha Xi Delta

EXPERIENCE

Akamai Technologies

May 2024

Incoming Software Engineer Intern

Cambridge, MA

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 TAs to enhance course resources
- * Performing code reviews to optimize source code and documentation of JUnits
- * Software test and debug to provide written feedback on 25 Java coding assignments per week
- * Verbally communicating technical topics with students in classroom and one-on-one setting

McGrath Laboratory

January 2023 – December 2023

Undergraduate Research Assistant

Atlanta, GA

- * Working independently under mentorship of a Ph.D. candidate to train a machine learning model using DeepLabCut, an open-source computer vision software relying on deep learning
- * Testing model parameters and evaluating metrics using Scikit-learn Python scripting
- * Feature engineering, pre-processing, and cleansing large datasets with Pandas and NumPy
- * Using Matplotlib to visualize high-dimensional, non-sparse data after partitioning and clustering

PROJECTS

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

February 2024

- * Created for Hacklytics 2024 at Georgia Tech, Generative AI Track
- * 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

- * Creating as Electronic Communications Director of Alpha Xi Delta, leading team of four elected officers
- * 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

PurePath | Java, React, HTML/CSS, Google Maps API, Git

February 2023

- * Created for Hacklytics 2023 at Georgia Tech, Sustainability Track
- * Developed an application for finding food options within an individual's walkable radius

TECHNICAL SKILLS

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

Libraries: pandas, NumPy, Scikit-learn, Matplotlib

Other Tools: Git, Docker, IntelliJ, Visual Studio Code, PyCharm, Flask, AWS, JUnit

Professional Skills: Verbal Communication, Written Communication, Public Speaking