

Aanya Khandelwal

955 Spring St NW Apt 1513, Atlanta, GA 30309 | aanya@gatech.edu | 281-903-4503

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science

May 2023

Concentration: Intelligence and Modelling & Simulation

GPA: 3.93/4.00

Faculty Honors (4.00 GPA) - Fall 2019, Spring 2020, and Fall 2020; Dean's List - Spring 2021

EXPERIENCE

IBM

Remote Work

Research Intern

May 2021 – Present

Thinking Fast and Slow in AI under Dr. Francesca Rossi

- Generalizing the Multi-Attribute Decision Field Theory (MDFT) into a dual model in accordance with Daniel Kahneman's fast and slow approach
- Creating a metacognitive AI agent that leverages the dual-MDFT to model human decision making
- Experimenting with variables to test the dual-MDFT model in a sequential grid-world environment

SG Analytics

Remote Work

Software Engineering Intern

June 2020 – August 2020

- Developed proof of concept for a product that scans company reports to retrieve financial data
- Eliminated database subscription costs and reduced human workload
- Employed AWS Textract to analyze and retrieve data from tables in multi-page PDFs

Georgia Tech, College of Computing

Atlanta, GA

Teaching Assistant

January 2020 – May 2021

- Conducted weekly recitation for 15+ students for CS 1331– Intro to Object-Oriented Programming
- Curated course content, graded homework and test papers, and held office hours (3 times a week)

International Institute for Information Technology, Computer Vision Lab

Hyderabad, India

Research Assistant

May 2018 – June 2018

- Programmed a wheelchair to be a smart bot prototype that recognizes and follows hand gestures
- Leveraged OpenCV (visual analysis) and Sabertooth (hardware interface) using Python

PROJECTS

Bhojan – Best use of Microsoft Azure Award at HackGSU

November 2019

- Built a restaurant retail solution by digitizing menus and reducing need for labor
- Utilized Azure Cognitive Services (read menus), Google Firebase (back-end), and JavaScript (front-end)

Educational Facilitator, Girls Who Code (GWC)

August 2020 – December 2020

- Created educational materials used to assist the teaching of Computer Science fundamentals
- Inculcated an interest in coding in budding female students at Sutton Middle School

SKILLS

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

Languages: English (*first language*), Hindi (*native fluency*)