

Nithya Rajasekar

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EDUCATION

The University of Georgia, Honors Program, Athens, GA
Bachelor of Arts, Linguistics - Summa Cum Laude, First Honor Graduate

August 2019 – June 2022
GPA 4.00/4.00

COURSES

Natural Language Processing – Carnegie Mellon University

- Learned natural language processing and machine learning concepts such as Finite State Automata, neural networks, and lemmatization, utilizing libraries such as NLTK and spaCy
- An intensive course with Professor David Mortenson and Professor Alan Black

100 Days of Code: The Complete Python Pro Bootcamp for 2023 - Udemy

- Thoroughly studied important Python programming concepts and tools such as GUIs, OOP, APIs, and automation, with guided as well as independent projects

Intro to Computing and Programming – University of Georgia

- Rigorous introductory course with projects incorporating algorithm design and implementation with Java and hands-on experience creating, testing, and debugging software

HONORS AND AWARDS

Presidential Scholar – Maintained grade point average of 4.00 for four semesters at UGA

National Merit Scholarship – awarded four-year renewable scholarship for outstanding academic achievement

Georgia Certificate of Merit – earned for outstanding academic achievement in top 5% of class

National Spanish Exam – scored in the 95th percentile in a nation-wide Spanish exam, earning the Gold Award

PROJECTS

Music Time Machine

- Finds Billboard top 100 songs from a particular date and creates a new Spotify playlist with those songs using Python and Spotify API

Instagram Follower Bot

- Follows a certain number of followers of a specified account automatically using Selenium

Amazon Price Tracker

- Tracks the price of a specified item using BeautifulSoup and sends an email to the user if the price drops below the target price

Rain Alert

- Uses a weather API to check if it will rain that day and sends a text message to user's phone if the chance of rain is higher than a certain percentage

U.S. States Game

- Guessing game where the user is shown a map of the USA and must try to guess all 50 states. Game utilizes Turtle graphics and saves user's guesses to a CSV file

SKILLS

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

Frameworks: Bootstrap, Flask, BeautifulSoup, Selenium Webdriver

Languages: (English, Tamil, Hindi) - Native, (Spanish) - Fluent

ACTIVITIES

Substitute Teacher, Atlanta Piano Fortissimo, Cumming, Georgia

October 2023 – Present

- Fill in for piano and viola teachers to encourage students to learn and develop a passion for music.

Private Tutoring, Alpharetta, Georgia

December 2018 – March 2019

- Guided students in Math and English concepts, leading to a significant increase in their grades and confidence.

Piano

December 2009 – January 2018

- Passed ABRSM (Associated Board of the Royal Schools of Music) practical exams grades 1-7 and music theory exams grades 1-5, earning a score of merit or above on all practical exams

- Earned score of distinction on grade 4 exam with highest score in the state of Georgia

Viola

August 2012 – January 2018

- Finalist in viola section as part of the GMEA All-State full orchestra in statewide competition
- Held leadership of the viola section as first chair