

Ankita Tripathi

CONTACT INFO

Phone

+91 9819015554

Email

ankitatripathi95@gmail.com

Links

[LinkedIn](#)

[GitHub](#)

[Website](#)

SKILLS

Programming Languages

Java, Python, JavaScript, C, C++, C#, SQL

Other technologies

Git/GitHub, React Native, Firebase, Google Cloud Platform, Tensorflow/Keras, OpenCV, NumPy, SciPy, Pandas, Scikit-learn, ROS

EDUCATION

University of Central Florida, Orlando, FL

August 2017 – May 2021

Bachelor of Science in Computer Science

Minors in Intelligent Robotic Systems and Cognitive Sciences

GPA: 3.66

- Honors: Dean's List (Spring 2018, Fall 2018, Fall 2019, Spring 2021), President's Honor Roll (Fall 2020)

EXPERIENCE

Undergraduate Research Assistant

August 2020 – May 2021

Department of Biology, University of Central Florida, Orlando, FL

- Implemented a machine learning model using Keras, to classify images of native biodiversity
- Performed data collection and preprocessing, and constructed an image classification model that incorporated data augmentation and segmentation to optimize model accuracy

PROJECTS

ParaSpeech: A Speech Therapy App

August 2020 – April 2021

Capstone Project, University of Central Florida

- Built a cross-platform speech therapy mobile application for aphasia patients, using React Native and Firebase
- Implemented a scoring algorithm that grades the user on their speech therapy practice, using lip recognition via TensorFlow.js and OpenCV libraries

Concurrent Hash Table

February 2021 – April 2021

Concepts of Parallel and Distributed Processing, University of Central Florida

- Created a custom hash table data structure that utilizes a concurrent level hashing scheme and binary search tree buckets, to enable multithreaded access for search, insertion, and deletion operations

BERT Product Rating Predictor

September 2020 – December 2020

Machine Learning, University of Central Florida

- Developed a rating predictor for products listed in the "Electronics" category on Amazon, using textual product reviews and the BERT model for Natural Language Processing
- Performed data preprocessing, model training, testing, cluster analysis, and human vs model intuitiveness evaluations

Coevolutionary Genetic Algorithm

April 2020

Evolutionary Computation, University of Central Florida

- Implemented a genetic algorithm in Java that uses coevolution as a strategy for multi-objective optimization
- Explored the effects of varying parameter values on the evolution of two populations for a bi-objective knapsack problem

CERTIFICATIONS

Goldman Sachs

Virtual Experience Program Participant

July 2022

Participated in the open access Goldman Sachs Virtual Experience Program with Forage

Tasks completed include:

- Crack leaked password database