Nav Sanya Anand

anandnavsanya@gmail.com
(628) 219-4626
Nav Sanya Anand
NavSanya

SKILLS

Machine Learning/ AI

Algorithms

Datastructures

Parallel Processing

Simulation

Databases

Webpage Design

Problem Solving

Analytical Thinking

Team Work

Leadership

Management

Active Learning

Communication (Professional and Public)

TECHNICAL SKILLS

Python	Java
C++	HTML
CSS	Visual Studio
IntelliJ	Jupyter
Microsoft Office Suite	Google Suite
Tableu	

AWARDS/HONORS

President of Computer Science Club
California State University, Fresno

Dean's List: Spring 2019, and Spring 2020, Spring 2021
California State University, Fresno

President's List: Fall 2018, Fall 2020
California State University, Fresno

EDUCATION

California State University, Fresno (August 15, 2018 - December 15, 2021)
Bachelor's of Science, Computer Science 3.79/4.0

Courses: Algorithms and Data Structures, Operating Systems, Parallel Processing, Databases, Simulations, Artificial Intelligence, Bio-Inspired Machine Learning, Internetworking Systems and Protocols

PROJECTS

ENNTS (June 09, 2021 - Present)
Python, Jupyter

How long does it take to “re-train” a Neural Network on a similar dataset? What similarity of datasets means in this context?

- Understanding Meta-learning using Simple Datasets can Provide insights on the above questions

https://github.com/NavSanya/ENNTS

IrisClassification-DT-GNU
Python3, Google Colab

Supervised Learning Predictive Modeling approach using Gaussian Naive Bayes and Decision Tree Classification Dataset contains the iris flower species which is used as the baseline when determining the accuracy of our trained models.

https://github.com/NavSanya/IrisClassification-DT-GNU

ML Sudoku Analysis (January 11, 2021 - April 13, 2021)
Python, Jupyter

Solution and analysis for a 9x9 sudoku game through 3 strategies: -Satisfiability -Simulated Annealing -Evolutionary Algorithm

- Implemented Satisfiability
- Analysis and comparison of all three approaches

https://github.com/NavSanya/ML-Sudoku-Analysis

Parallel_DFS_BFS_OpenMp (February 09, 2021 - April 02, 2021)
C++

Coding and Analysing Breadth-First Search(BFS) and Depth First Search(DFS) serially and parallelly (OpenMP).

- Implementing BFS and DFS Serially
- Implemented BFS and DFS Parallelly
- Analyzed Serial and Parallel approach

https://github.com/NavSanya/Parallel_DFS_BFS_OpenMp

Asthma Travels (January 05, 2021 - April 16, 2021)
Python

A tool to find the best possible path to travel (by road) for asthma patients. The cost of each path is considered by three variables: Distance, Air Quality, and Pollen Count.

- Researched and setup the constraints and variables
- Set up the graph
- Managing and proving structure to the team (5 students

https://github.com/NavSanya/AsthmaTravels

One Way Traffic Tunnel (September 10, 2020 - November 10, 2020)
C++

The goal of this project was to implement an intelligent traffic light system where cars arrive at a one-way tunnel by using threads.

- Pthread
- Mutex
- Files

https://github.com/NavSanya/TrafficLights

Theoretical and Experimental Comparison of Sorting Algorithms (January 08, 2020 - May 13, 2020)
Java

Analyze different sorting algorithms (iterative and divide and conquer). *Data Generation

- Experimental Analysis of the Variations of the Sorting Algorithms

https://github.com/NavSanya/ComparisonSorts

WORK EXPERIENCE

Green International (May 11, 2021 - Present)
Web Designer

- Developed visually appealing website using responsive WordPress themes.
- Maintained and updated website functionalities in collaboration with the CS and web development teams.

http://greeninternational.in/

California State University, Fresno (August 15, 2021 - December 20, 2021)
Computer Science Tutor

- In-person and Online tutoring sessions to groups of various sizes
- Targeted various courses: -CSCI 40: Introduction to Programming -CSCI 115: Algorithms and Data Structures -CSCI 41: Introduction to Data structures -CSCI 117: Structures Of Programming Languages -CSCI 60: Foundations of Computer Science -CSCI 119: Introduction to Finite Automata -CSCI 114: Introduction to Operating Systems
- Assisted in assembling lesson plans to administer to students and keep them on track with assignments
- Participated in tutor training and development sessions

California State University, Fresno
International Ambassador

- Guide International Students throughout their first semester.
- Attend to international students' problems and concerns throughout the semester.
- Provide assistance with housing, campus life, and immigration

California State University, Fresno (January 18, 2021 - December 30, 2021)
Computer Science Grader

Grade student's assignments and projects for the following courses: -CSCI 40 - Intro. to Programming and Problem solving -CSCI 144/114 - Intro. to Operating Systems

California State University, Fresno (August 15, 2019 - May 17, 2021)
Supplemental Instructional Leader

- Teach programming languages C++ and critical thinking skills.
- Help students master learning concepts through tutoring with an average of 10 students every week.
- Helped students increase their grades by 50%.
- Attended monthly training and various meetings.
- Concentrated on Fundamental Five: -Group Work -Wait Time -Redirection -Study Skills -Checking For Understanding