

Siddharth Nair

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Summary

Junior majoring in Computer Engineering at Texas A&M. Looking to broaden my skill-set and solve challenging problems in the spaces of data engineering, machine learning, and application development. Versed in Python, SQL, and C++.

Education

Texas A&M University

College Station, Texas

B.S. IN COMPUTER SCIENCE & ENGINEERING

Aug. 2019 - May 2024

- Honors: National Merit Scholarship, Presidents Endowed Scholarship
- Relevant Coursework: CSCE 350 - Computer Architecture and Design, ECEN 314 - Signals and Systems, CSCE 222 - Discrete Computing, CSCE 221 - Data Structure and Algorithms, ECEN 214 - Electrical Circuit Theory, ECEN 248 - Introduction to Digital Systems Design

Work Experience

JP Morgan Chase

Houston, Texas

SOFTWARE ENGINEERING INTERN

Jun. 2022 - Aug. 2022

- Deployed a full-stack web-app utilizing Python backend (via Jupyter Notebooks, Amazon Sagemaker & Cloudwatch) and front-end (Voila, ipywidgets, & perspective) for JPMC Quants to better interact with their trading algorithms and machine-learning training jobs to production.
- Maintained Jira to track web-app progress in terms of requested, in-progress, and completed features via opened/closed tickets.

Lumen Technologies

Houston, Texas

SOFTWARE DEVELOPMENT INTERN

Jun. 2021 - Aug. 2021

- Developed a Python program that outputted a flat file based off an inputted database every E.O.D using tools like Python and Unix to code, test, and deploy for logging purposes
- Wrote Shell script that reset database values every E.O.M. to a predetermined value depending on that month to ensure database wasn't over-filled with outdated data.
- Modified SQL script to accurately output billing information for 10,000+ customers.

Extracurricular Activities

oWAR

College Station, Texas

CREATOR

Sept. 2021 - May 2022, Aug. 2022 - Pres.

- Built WAR (Wins above Replacment) model for baseball players based off open-source statistics using Python, Scikit, Tensorflow, & Jupyter Notebooks.
- Used Random Forest, Lasso, Linear, and Logistic Regression algorithms for both proof of concept and to better my understanding of the various regression algorithms.

Meal Maximizer (Aggie Coding Club)

College Station, Texas

PROJECT MANAGER/CREATOR, FRONTEND & BACKEND (JAVA/SWIFT) TEAM LEAD

Jan. 2020 - Jan. 2022

- Led iOS app development team that helps Texas A&M students manage their required meal plans throughout a semester (potential userbase of 12,000+ college students; future plans include integration of menus from restaurants on campus to showcase most cost-effective options).
- Coded the functions connecting the Java backend to the UI to augment U.X., a time-based daily meal counter, and the functions accounting for official holidays in calculations using a REST API.

Airman Stock Predictor

Houston, Texas

CREATOR, PYTHON DEVELOPER

Jul. 2021 - Apr. 2022

- Utilized Python & BeautifulSoup to web-scrape and parse finance websites for stock prices/price-relative-to-cash-flow & Pytrends to gather Google Trends data, i.e. relative interest towards stock and write it to a csv for future-proofing.
- Developed regression predictions through organization of data w/ pandas dataframes & exploring supervised learning algorithms to determine best fit for stock prediction via scikit.

Discover AI, Apply AI (AI4All)

College Station, Texas

ALUMNUS

Jan. 2021 - May 2022

- Used Python, Teachable Machines, & Jupyter Notebooks to understand concepts of machine learning and train basic models.
- Created presentation analyzing machine learning usage in music platform apps, taking into consideration the factors being considered by said apps to hypothesize how to more finely-tune the relevant algorithms.

TAMU Datathon, TAMUhack, JPMC Code for Good

College Station, Texas

PARTICIPANT, TEAM LEAD

Oct. 2020, Jan. 2021, Oct. 2021

- Applied Python & Jupyter Notebooks to parse Covid-19 equipment data and build a predictive model to better distribute said equipment across the United States on a state-by-state basis.