SAHIR MODY

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WORK EXPERIENCE

Software Engineering Intern @ Capital One

📅 JUNE 2020 – AUGUST 2020   📍 REMOTE (*due to COVID-19*)

- Used Agile development practices to create a software usage analytics dashboard as part of an existing cloud application
- Created a data pipeline to process the results of company-wide database queries and format data for dynamic visualizations

System Administrator @ UMD Physics Department

📅 AUGUST 2019 – MAY 2020   📍 College Park, MD

- Assisted professor in expanding computing cluster by configuring several new servers and managing hundreds of cluster accounts
- Coordinated team of students to efficiently install and set up other softwares required to manage the computing cluster

Software Engineering Intern @ Capital One

📅 JUNE 2019 – DECEMBER 2019   📍 College Park, MD

- Redesigned data visualization of language processing app to be more user-friendly and display optimal hyperparameters
- Wrote scripts to analyze thousands of cybersecurity events and find patterns indicating potentially suspicious behavior

PROJECTS

Customer Satisfaction Dashboard

Top 3 at the Capital One Software Engineering Summit Hackathon

- Performed Sentiment Analysis on thousands of filtered tweets to determine customer attitudes towards businesses and products
- Built an interactive graphical dashboard to summarize analysis results and allow user to filter tweets by search terms

Machine Learning Stock Predictor

- Created a web application tool intended to help day traders predict daily closing prices of stocks based on historical data
- Developed a pre-processor and neural network to clean data retrieved from an API, train models, and make predictions

jSearch Web Application

- Deployed an app to allow users to search for Jeopardy questions based on dynamic filters and cache selected favorite results
- Integrated frontend and middleware components to quickly receive and display query results in intuitive user interface

EDUCATION

B.Sc. in Computer Science with Business Analytics Minor

University of Maryland-College Park

📅 AUGUST 2018 – MAY 2022

- **Cumulative GPA**: 3.98/4.0
- **Professional Organizations**:
  Kappa Theta Pi (*Vice President*)
  Maryland Honors College
- **Relevant Coursework**:
  Object-Oriented Programming
  Introduction to Computer Systems
  Discrete Structures and Mathematics
  Organization of Programming Languages
  Algorithms and Algorithmic Analysis

TECHNICAL SKILLS

Languages

Java   Python   C   HTML/CSS
JavaScript   TeX   OCaml   MATLAB

Packages/Frameworks

Flask   Keras   Pandas   Scikit-Learn
jQuery   Express   Chart.js   C3.js
Angular   Swing

Technologies/Softwares

Node.js   Git/GitHub   Heroku
Google Suite   Microsoft Office

Certifications

Amazon Web Services Cloud Practitioner