

SAHIR MODY

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sahir-mody

Sahir1234

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)
 - University of Maryland Honors College
 - Computer Science Departmental Honors
- 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

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