

SAHIR MODY

☎ 732-850-1382 • ✉ sahir.mody@gmail.com • ⓘ sahirmody.com • 🔗 sahir-mody • 🌐 Sahir1234

EDUCATION

University of Maryland, College Park

August 2018 – May 2022

B.S. in Computer Science with Business Analytics Minor • Magna Cum Laude

TECHNICAL SKILLS

Programming Languages: Java Python C HTML CSS JavaScript

Technologies: Amazon Web Services Node.js Git Flask Keras Pandas Mockito React jQuery

EXPERIENCE

Software Engineer • Amazon

August 2022 – PRESENT

- Working on the Items and Offers Platform as a part of the Catalog Relationships Pipeline team

Software Engineering Intern • Amazon

June 2021 – August 2021

- Developed AWS Lambda to periodically retrieve schema for 10,000+ catalog attributes and cache data in S3 for quick access
- Designed UI with React query builder components to pull cached attributes and allow users to construct complex SQL queries
- Added usage metrics and access control for query builder to see how effective new features were for small groups of customers

Software Engineering Intern • Capital One

June 2020 – August 2020

- Engineered a dashboard application with JavaScript and Flask to track software usage data over thousands of computers
- Created API endpoints to retrieve results of company-wide database queries and format data to be used in visualizations

Software Engineering Intern • Capital One Tech Incubator

June 2019 – December 2019

- Wrote Python scripts in Jupyter Lab to process 2,000+ cybersecurity events and find patterns indicating suspicious behavior
- Redesigned language processing and data visualization app interface to be more intuitive and user-friendly using C3.js

PROJECTS

Moodbird Satisfaction Dashboard

- Built an API with Flask to perform sentiment analysis with Python NLTK on thousands of tweets based on search terms and created an interactive graphical dashboard with Chart.js to retrieve and summarize the analysis results in simple visualizations
- Project placed in the Top 3 out of 10 teams at the Capital One Software Engineering Summit Hackathon

jSearch Web Application

- Deployed an application on Heroku to allow users to search for 100,000+ archived Jeopardy questions based on responsive filters created with jQuery and mark certain questions as favorites so that they can be saved and returned to in another session

Machine Learning Stock Predictor

- Implemented a web application tool to retrieve and pre-process a company's historical stock data with Pandas, train a neural network created with Keras, and display line graphs of the model's predictions after each epoch of training with C3.js