

ANSH SIKKA

CONTACT

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SKILLS

Programming

Python

SQL

JAVA

Bash

HTML/CSS/JavaScript

C/C++

SwiftUI

Technologies

Apache NiFi

Azure Cloud

PowerBI

Apache Spark

SAP HANA

Snowflake

CERTIFICATES

Microsoft

AZ-900: Azure Fundamentals

Advanced SQL for Data Scientists

LinkedIn Learning

Apache Spark Essential Training

LinkedIn Learning

Kafka Essential Training

LinkedIn Learning

AWARDS

Dean's List (2018-2020)

EDUCATION

📅 Aug 2017-May 2020

📍 University of Minnesota-Twin Cities
Minneapolis, USA

Cumulative GPA: 3.7/4.0

Relevant Coursework: Graduate-Level Software Engineering Course, Big Data Architecture, Artificial Intelligence, Database Fundamentals, Data Science/Machine Learning
Undergraduate CS TA

B.S. Computer Science

WORK HISTORY

📅 Sep 2020 - Present

📍 ExxonMobil
Houston, USA

Data Engineer/Analyst

- Streamlined company-wide cybersecurity machine monitoring using flow-based programming via Apache NiFi for ETL and reduced data processing time from 3 minutes to 1 minute
- Used HANA SQL to develop Manual Data Input Systems and validations for upper management
- Working with Snowflake and Azure Functions to develop an API to access a developing central company data repository

📅 May 2019-Aug 2019

📍 ExxonMobil
Houston, USA

Software Engineering Intern

- Replatformed internal cloud adoption platform in an agile work environment to Microsoft Azure: Utilized blob storage, SQL, KeyVault, SendGrid, and search service.
- Full Stack Web Development: Handlebars.js for frontend and Node.js for backend.
- Customized open source CMS to adapt to new website format and UX.
- Made the entire cloud adoption web platform content editable: No developer needed to make website changes.
- Teaching assistant to over 100 other interns and employees helping them get started with Azure.

📅 Jun 2018-Sep 2018

📍 Quinnox
Chicago, USA

AI/ML Intern

- Built a machine learning-based recommendation system with a 90% accuracy rate that provides a ranked list of top companies and leads to contact for Quinnox's demand generation team
- Used data mining and web scraping libraries such as BeautifulSoup and mechanical soup to retrieve large amounts of useful company, employee, and job data from different sources such as RainKing and LinkedIn to train an ML model and use it to get a list of top companies for contact/sales
- Reduced two months of work from the demand generation team to 8-10 minutes by implementing efficient automation algorithms
- Used big-data oriented libraries such as NumPy and SciKit Learn for the machine learning process
- Given training on machine learning and basic deep learning algorithms/libraries such as PyTorch and Tensorflow

GENERAL SKILLS

Web Architecture

API Design and Development

ER Database Design

Basic Cybersecurity Best Practices

Basic Data Architecture Design

PERSONAL PROJECTS

SkillFlyer: A Crowd-Sourced Learning Platform

- Takes YouTube videos and ranks them through crowdsourcing by a variety of educational topics and subtopics
- Uses MongoDB as the data backend, NodeJS as the serving backend, and ReactJS as the frontend

COVID-19 Analysis Using Spark

- Utilized Databricks to do a analysis on John Hopkins COVID-19 data using Apache Spark
- Performed basic data cleaning, engineering, and visualizations

Portfolio Website

- Utilized Node.js and React.js to build an interactive web app portfolio website
- Deployed on cloud using GitHub pages