ANSH SIKKA

CONTACT

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SKILLS

Programming
Python
SQL
JAVA
React/CSS/Node Stack
C/C++
Scala

Technologies
Azure Cloud
Snowflake
Apache NiFi
Apache Spark
SAP HANA

CERTIFICATES

Microsoft
AZ-900: Azure Fundamentals
Spark for Machine Learning and AI
LinkedIn Learning
Advanced SQL for Data Scientists
LinkedIn Learning
Apache Spark Essential Training
LinkedIn Learning
Kafka Essential Training
LinkedIn Learning

ACHIEVEMENTS

- Promoted to Design Lead on Data Solutions Team (2021)
- Outstanding Performance at ExxonMobil (2020-2021)
- Dean's List (2018-2020)

EDUCATION

Aug 2017-May 2020
University of Minnesota-Twin Cities
Minneapolis, USA

B.Sc. Computer Science

Cumulative GPA: 3.7/4.0
-Relevant Coursework: Graduate-Level Software Engineering Course, Big Data Architecture, Artificial Intelligence, Database Fundamentals, Data Science/Machine Learning, Data Structures and Algorithms, Functional Programming, Databases
-Undergraduate CS TA

WORK HISTORY

Sep 2020 - Present
ExxonMobil
Houston, USA

Software Engineer and Design Lead

-Streamlined company-wide cybersecurity machine monitoring using flow-based programming via Apache NiFi for ETL and reduced time to find cybersecurity holes from months to minutes
-Used HANA SQL to develop Manual Data Input Systems and validations for upper management
- Working with Azure Functions, APIM, and KeyVault to develop an API to provide access to a central company data repository on Snowflake, helping reduce cost in data subscriptions (approx $75m in data subscription costs saved)
- Working on a Zoom Analytics big data project, taking 500+ zoom events/sec as streaming data and processing it on Azure Functions and Azure Event Hub, eventually warehousing it on Snowflake

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 the backend.
-Customized open source CMS (Content Management System) to adapt to new website format and UX.
-Made the entire cloud adoption web platform content editable: No developer needed to make website changes. Eliminated content writers' need to learn HTML/CSS to make basic blog edits to the platform
-Teaching assistant to over 100 other interns and employees helping them get started with Azure.

Jun 2018-Sep 2018
Quinnox
Chicago, USA

Software Engineering Intern

-Built a machine learning-based recommendation system with a high 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 MechanicalSoup 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

PERSONAL PROJECTS

SkillFlyer: A Crowd-Sourced Learning Platform
-Takes YouTube videos and ranks them through crowd sourcing 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
-Performed analysis over 10G+ of COVID-19 data from Amazon AWS
Portfolio Website
-Utilized Node.js and React.js to build an interactive web app portfolio website
-Deployed on cloud using GitHub pages