

# ANSH SIKKA

## CONTACT

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Security Clearance Level: Secret

## SKILLS

Programming

Python

SQL

JAVA

HTML/CSS/JS (React, Node)

C++/C#/C

Technologies

ETL: AirFlow/NiFi/SSIS/ADF

Cloud: Azure Cloud, AWS

Data Warehouse: Snowflake, SQL Server

Automation: PowerApps

## CERTIFICATES

Microsoft

AZ-900: Azure Fundamentals

Cloudera

Cloudera Developer Training for Spark

Snowflake

Snowflake Fundamentals 4-Day

CITI Program

CITI Training in Human Research

## ACHIEVEMENTS

- 🏆 (Deloitte) Received 5 Applause Awards (2022-2024)
- 🏆 (Deloitte) Received Outstanding Client Delivery Award (2024)
- 🏆 (ExxonMobil) Promoted to Design Lead on Data Solutions Team (2021)

## EDUCATION

📅 Jan 2022-Dec 2023)

**M.Sc. Computer Science**

📍 Georgia Institute of Technology

-Relevant Coursework: Data & Visual Analytics, AI, Machine Learning for Trading, Graduate Intro to Operating Systems, Knowledge-Based AI, Database Fundamentals, Computer Networks, Software Development Processes, Human Computer Interaction, EdTech

📅 Aug 2017-May 2020

**B.Sc. Computer Science**

📍 University of Minnesota-Twin Cities  
Minneapolis, USA

-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

📅 Nov 2021 - Present

**Senior Data Engineer**

📍 Deloitte | Chicago, USA

**Technologies:** SSIS, Azure + Data Factory, SQL, Python, Azure DevOps, AWS, Snowflake

**Responsibilities:** Senior Data Engineer and Solutions Architect for a Federal Health Client

-Developed 10 new ETL pipelines orchestrated in SSIS

-Part of a 'Tiger Team' to quickly build out a data warehousing solution in SQL Server within 6 months, used PowerApps/PowerAutomate to connect to automate data flow between SharePoint, SQL server, and Outlook for analytics

-Optimized 5 existing ETL pipelines cutting their time by an average of 95% using SQL optimization and best practices

-Automated an asset management system to pull new iPad models using Python web scraping (BeautifulSoup)

-Lead a ETL migration for over 20 pipelines cross-server

-Established a Tableau Usage Analytics ETL that sources millions of rows from Tableau Usage meta-data and developed optimized materialized views for a Tableau dashboard

-Automated an enterprise data storage analysis that would've taken 3 weeks by developing a Python and SQL script that took just 3 hours

-Set up an Azure SQL Server environment as a firm initiative pilot to move data to SQL Server Azure from on-prem.

-Pitched Snowflake as a potential warehousing solution for big data.

-Worked with horizontal lead to establish code-review standards, set up CI/CD pipelines on Azure DevOps, migrated from File-based version control to Git (and set up standards and usage templates for Git)

-On-boarded 4 backend developers weeks and acquainted them with new best practices

📅 Sep 2020 - Oct 2021

**Software Engineer and Design Lead**

📍 ExxonMobil | Houston, USA

-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

-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 ( \$75m in data subscription costs saved)

-Worked 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, warehousing it on Snowflake

-Interned in summer of 2019 to as a full stack developer to replatform an internal cloud adoption platform in an agile work environment to Microsoft Azure: Utilized blob storage, SQL, KeyVault, SendGrid, and Azure Search Service. Handlebars.js was used for frontend and Node.js was used for the backend.

## PERSONAL PROJECTS

### Canvas Pre-Submission Preview Chrome Extension

-Developed a Chrome Extension in Javascript that previews assignments *before* submission on Canvas LMS, reducing the chance of submitting the wrong assignment

-50+ users, wide pool from Georgia Tech students

### Churn: Analytics on Credit Card Rewards

-Uses public credit card reward data and business location data to analyze and visualize where credit card rewards can be maximized

-Data is stored in PostgreSQL and pulled in through Python, orchestrated through Apache AirFlow

### Portfolio Website

-Utilized Node and React JS to build an interactive web app portfolio website

-Deployed on cloud using GitHub pages