ANSH SIKKA

CONTACT

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in Ansh Sikka

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
Visualization: Tableau, D3.js

CERTIFICATES

Microsoft
AZ-900: Azure Fundamentals
Cloudera
Cloudera Developer Training for Spark
Snowflake
Snowflake Fundamentals 4-Day
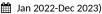**CITI Program**
CITI Training in Human Research
HackerRank
Intermediate SQL

ACHIEVEMENTS

🏆 (Deloitte) Nominated for Delivery Excellence Award: Risk Finding and Mitigation (2024)

🏆 (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)
📍 **Georgia Institute of Technology**   **M.Sc. Computer Science**
-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
📍 **University of Minnesota-Twin Cities**   **B.Sc. Computer Science**
-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
📍 Deloitte | Chicago, USA   **Senior Data Engineer**
Technologies: SSIS, Azure + Data Factory, SQL Server, Python, Azure DevOps, Tableau, AWS, Snowflake
Responsibilities: Senior Data Engineer and Solutions Architect for a Federal Health Client
-Developed 10 new ETL pipelines orchestrated in SSIS, worked with team to build out several Tableau dashboards serving 1K+ users in the org.
-Coordinates process of data discovery and procurement from data owners, and integration of several data sources into a central analytics data Warehouse -Part of a 'Tiger Team' to quickly build out a data warehousing solution in SQL Server within 6 months, used 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 Server Usage metadata 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 Azure SQL from on-prem
- Pitched Snowflake as a potential warehousing solution for big data.
- Worked with horizontal lead to establish code-review standards, data contracts, 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 and acquainted them with new best practices

📅 Sep 2020 - Oct 2021
📍 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
- Worked 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