

Aaliyah Salia

aaliyahmsalia@gmail.com <https://www.linkedin.com/in/aaliyah-salia/> <https://github.com/AaliyahSalia>

WORK EXPERIENCE

Travelia Corporation | Junior Data Engineer Intern

Sacramento, CA

Python, SQL, AWS

Mar 2023 - Dec 2024

- Collaborated with a cross-functional team to analyze large datasets using **Python** and **SQL** to identify key insights.
- Assisted in the development and implementation of data collection methods and procedures.
- Conducted data cleaning, transformation, and validation using **Python** to ensure data accuracy and integrity.
- Performed statistical analysis and data mining techniques with **Python** to uncover patterns and trends.
- Created interactive dashboards and visualizations using **Tableau** to effectively communicate findings to stakeholders.
- Presented data-driven recommendations to optimize business processes and improve decision-making.
- Utilized AWS services, such as **Amazon S3** and **EC2**, to manage and process large-scale data for enhanced efficiency and scalability.

PROJECT EXPERIENCE

Technical Documentation

Fremont, CA

Technical Writer

- Authored in-depth technical documentation and guidelines for data engineering projects, ensuring clarity and accessibility for diverse technical and non-technical audiences.
- Crafted detailed reports on data analysis and insights derived using Python, SQL, and AWS, contributing to informed decision-making processes.
- Developed and maintained documentation for data collection methods, cleaning, transformation, and validation procedures.
- Produced instructional materials for interactive dashboards and visualizations in Tableau, enhancing user engagement and understanding.
- Collaborated with cross-functional teams to ensure technical documentation aligned with project objectives and industry standards.

Customer Support Systems

Fremont, CA

Python Flask, Node.js, NLP, ML

- Developed a customer support system for SFBU using **OpenAI ChatGPT** and **Whisper APIs**.
- The system is able to answer a wide range of questions about SFBU, the student catalogue, SFBU websites, and YouTube videos related to SFBU to answer questions about the university.
- Trained the system on a large and diverse dataset to ensure that it is able to provide accurate and helpful information to users.
- Implemented the system using efficient and scalable technologies - Worked effectively as part of a team to deliver the project on time and within budget.
- Created a web-based user interface using **Python Flask** and **Node.js**.

DayCare MarketPlace Website

Fremont, CA

Python Flask, MySQL, HTML, CSS, Javascript, OpenAI

- Developed and executed a comprehensive plan to integrate the database with the front-end Python Flask application, resulting in seamless functionality and improved user experience for daycare profiles, login, signup, and signing processes.
- Orchestrated a dynamic home page featuring a zip code-based search function, enhancing user accessibility in finding nearby daycare providers.
- Implemented HTML, CSS, and JavaScript to enhance the front-end design of the platform, resulting in an aesthetically pleasing interface.

- Incorporated a direct link for daycare providers, streamlining their access to the platform, thereby promoting provider participation and variety.
- Collaborated with OpenAI technology to incorporate a chatbot feature into the platform's APIs, improving customer support efficiency by providing instant responses to common queries.

Data Visualization Dashboard

Fremont, CA

Tableau

- Designed and developed a comprehensive data visualization dashboard using **Tableau**.
- Integrated multiple data sources to provide a unified view of key performance indicators.
- Created interactive visualizations to facilitate data exploration and decision-making.

LANGUAGES AND TECHNOLOGIES

Data Visualization: Tableau, Power BI

Database Management: MySQL, Microsoft SQL Server, Oracle

Programming Languages: Python, SQL, Java, C, C++, Javascript

Machine Learning: Scikit-learn, TensorFlow, Keras, Pandas, NumPy

Cloud Platforms: AWS, Azure, Kubernetes, Docker

Web Development: HTML, CSS, Node.js

Framework: Flask

Others: Open AI, Microsoft Office, Github, Linux, Raspberry Pi

RELEVANT COURSEWORK

Python Programming, C/C++, Data Structures and Algorithms, Probability and Statistics, Linear Algebra, Discrete Logic, Database Modeling and Implementation Techniques, Embedded Engineering, Linux and Shell Scripting, Blockchain Fundamentals and Applications, Quantum Computing, Object-Oriented Design in Python, Operating Systems, Introduction to Data Science, Calculus-I, Physics-I & II, Computer Organization, Java and Internet Applications, Fundamentals of Artificial Intelligence and Machine Learning, Generative AI-Driven Intelligent Apps Development, Senior Capstone Course

ORGANIZATIONS

Institute of Electrical and Electronics Engineers - **Member since 2022**

The Artistic Odyssey Art Club - **Vice President**

EDUCATION

San Francisco Bay University

Fremont, CA

Bachelors of Science in Computer Science

Graduation Date: May 2024