Yukesh A S

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As a final year student specializing in data engineering, I'm well-versed in Python and Java and have hands-on experience with data engineering concepts. My interest in cloud platforms like AWS and Azure complements my skills. Through internships, I've designed and optimized data pipelines. I'm eager to contribute my expertise to your data engineering team, ensuring efficient data management and analytics.

Professional Experience

Data Engineer Associate - Chargebee

Jan 2023 - Aug 2023

- Collaborated on the design and development of data pipelines to ensure smooth data flow within the organization.
- Enhanced data quality by optimizing ETL processes, resulting in cleaner and more reliable data.
- Successfully integrated data from diverse sources, including APIs and databases, for improved analytics and reporting.
- Contributed to data warehouse management, ensuring data security, availability, and performance.
- Worked closely with data scientists and analysts to meet their data requirements, facilitating data-driven insights for the team.

Data Science Intern - MSME Technolgy development center

Jul 2022 - Aug 2022

- Utilized statistical analysis, machine learning algorithms, and predictive modeling to uncover patterns, trends, and correlations in the data, contributing to the development of actionable recommendations.
- Collaborated with senior data scientists and cross-functional teams to analyze large datasets, extract meaningful insights, and develop data-driven solutions to business challenges.
- Conducted exploratory data analysis to gain a comprehensive understanding of the datasets, identifying relevant variables, and uncovering key insights.
- Conducted feature engineering, including data cleaning, transformation, and feature selection, to improve model performance and interpret ability.

Education

Bachelor of Technology   *2020-2024*

St. Joseph's college of engineering   *CGPA: 9.41*

HSC   *2020*

A.M.M Higher Secondary School   *84.6%*

Skills

Python	Apache Airflow, Kafka
Java	PySpark, ETL
HTML, CSS	MongoDB
React Js, Flask	Azure

Projects

Prominent_Billing_Application

Prominent Billing is a subscription management software that allows users to subscribe to and manage multiple OTT platforms from a single platform.It offers features such as consolidated billing, payment management, and subscription tracking, making it easier for users to manage their subscriptions and payments.
Tech Stack : HTML, CSS, Sass, Js, MongoDB, Express, Mongoose ,Atlas Cloud (AWS).

Food-order-streaming-using-kafka

This project presents a scalable backend system for a food ordering app, leveraging the power of Apache Kafka as a central event bus. Events, such as order placements and confirmations, are written to Kafka topics, facilitating real-time processing by different components like microservices, stream processing jobs, and Python modules.
Tech Stack : Python, Apache Kafka, Docker.

Podcast Summary Data pipeline using Airflow

This project implements an ETL pipeline for summarizing podcast episodes using Apache Airflow and SQLite3. The workflow includes tasks for SQLite database creation, podcast data extraction, transformation, and loading. Customize the DAG to fit your podcast feed and SQLite database setup.
Tech Stack : Python, Apache Airflow, ETL, Docker, Data modelling, data transformation, SQLite

Predicting Premier league matches

This project aims to predict the outcomes of Premier League matches using a Random Forest Classifier. The steps involved are, Web scraping data from the FBref website using Beautiful Soup, Data cleaning and preprocessing to create a structured dataset, Feature engineering to include relevant factors such as previous match outcomes, goals scored, and home advantage and predicting.
Tech Stack : Python, pandas, Data Cleaning, Web scraping, Beautiful Soup, Data modelling, Data transformation, Machine Learning.

Layoffs-analysis

This project involves analyzing a dataset of layoffs obtained from layoffs.fyi website using Python and creating visualizations to explore the trends and patterns in the data. The goal of the project is to gain insights into the job market and economic conditions based on the data.The project involves importing the dataset into Python using the Pandas library, cleaning the data, and performing exploratory data analysis (EDA) to identify patterns and correlations in the data. The data is then visualized using libraries such as Matplotlib, Seaborn, or Plotly to create interactive and engaging visualizations that highlight key insights from the data.
Tech Stack : Python, Pandas, Numpy, Matplotlib, Seaborn, Plotly, Data Visualization, Data Analysis, Data Cleaning, Data transformation.

Certifications

- **Azure Cloud fundamentals** *by Microsoft*
- **Azure Data fundamentals** *by Microsoft*
- **Machine Learning using Python** *by FreeCodeCamp.*
- **Full Stack Data Science with Python** *by MSME.*
- **Business English Certificate** *by Cambridge.*
- **Programming Essentials in Python** *by Cisco Networking academy.*
- **Data manipulation using Pandas** *by DataCamp.*