

Snehalatha Tuniki

Data Engineer

A highly reliable individual possessing a proactive attitude, capable of thinking in and out of the box, generating new solutions and ideas. Passionate about the evolution of decision-making, transforming data into actionable insights, and simplifying complex processes.



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WORK EXPERIENCE

Programming Instructor

Ultimate Coders

01/2023 - 05/2023

Toronto, Canada

Achievements/Tasks

- Instructing students on various programming languages and domains, including - Python, Java, Web Design and Development (HTML5, CSS, JavaScript), Electronics (Arduino), Robotics.

Data Engineer

Tata Consultancy Services (Client: Apple Inc.)

07/2020 - 11/2022

Hyderabad, India

Achievements/Tasks

- Gained proficiency in Data Analytics by employing complex SQL queries and procedures.
- Performed query tuning to improve application response. Validated data from different systems for completeness and correctness.
- Led successful migration from on-premises to AWS+Snowflake Cloud Data Platform using Apache Airflow and Python for data processing. Collaborated with cross-functional teams to define, design, and ship new features.
- Designed the ETL Solution and created data pipelines using Kafka, Teradata & Python.
- Adept at the complete software development process, including requirement analysis, data pipeline design, coding, unit testing, integration testing, user acceptance testing and deployment.

Data Analyst Intern

MAQ Software

08/2019 - 12/2019

Hyderabad, India

Achievements/Tasks

- Created dashboards in PowerBI for data reporting.

EDUCATION

Graduate Certificate Program

Loyalist College

01/2023 - Present

percentage: 85.43

Courses

- Artificial Intelligence and Data Science

Bachelors of Technology in Computer Science & Engineering

CVR College of Engineering

2020

cgpa:9.65

SKILLS

Python

Snowflake

MySQL

Oracle

Teradata

bash shell scripting

Power BI

Airflow

Kafka

Machine Learning

Data science

Bootstrap

Javascript

Autosys

Data Optimization

Data visualization

Excel

Statistics

ETL

Tableau

PL/SQL

ACHIEVEMENTS

Performance Excellence Award (2022)

Appreciation from TCS - Apple

EPAM Pre Education Program (PEP)

Selection at National Level

Mission R&D

Selection

RELEVANT PROJECTS

Sentiment Analysis of Geospatial Data regarding usage of Renewable Energy

- Technologies: Python, Linear SVM, NLTK, SQLite, Snsrape, Streamlit
- Conducted sentiment analysis on tweets related to COP28 to assess global sentiments on renewable energy usage and created geospatial visualizations for cross-country comparisons.

Email Spam Classification

- Technologies: Python, NLP, SQLite, Random forest
- Built an email spam classifier using machine learning and NLP to enhance email inbox organization.

Image Compression

- Technologies: Java, Machine learning, K-means algorithm
- It is used to reduce the bandwidth and disk space.

CERTIFICATES

Infosys Certified Python Programmer

Querying Microsoft SQL Server (70-461)