DEEPTHI SELVAM

Data Research Engineer

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Tamil Nadu, Coimbatore - 641031 ⌂

SUMMARY

Dynamic and detail-oriented Data Research Engineer with 2 years of experience specializing in data analysis and research. Recognized with the 'Data Maven' appreciation for exceptional analytical skills and contributions to project success. Adept at transforming complex data sets into actionable insights, driving data-driven decision-making processes. Aspiring to leverage analytical prowess and technical skills to advance from a Data Analyst to a Data Scientist role. Actively seeking opportunities as a Data Research Engineer or Data Analyst where I can contribute to innovative data solutions and further my professional development.

PROFESSIONAL EXPERIENCE

Conversight.Ai   __Data Research Engineer__

Full-Time : 04/2022 - Present

- Played a key role in project problem understanding, data collection, quantity estimation, and report building, resulting in 15% improvement in project efficiency

- Proficiently collected and pre-processed data from diverse sources, including databases, spreadsheets, and APIs to facilitate comprehensive data analysis and decision-making processes. Leveraging a combination of technical skills and analytical expertise, meticulously gathered raw data from disparate sources and prepared it for analysis.

- Develop and implement data analysis and modelling techniques using Python and SQL. This involved writing and optimizing SQL queries to retrieve and manipulate data from relational databases, as well as utilizing Python libraries such as Pandas, NumPy, and scikit-learn to preprocess, analyze, and visualize data.

- Optimized data processing procedures, reducing processing time by 30% through effective data extraction, transformation, and analysis using SQL and Python. Spearheaded the development and management of data-driven dashboards for enhanced data visualization and reporting.

Internship : Duration (5 Months)

During Internship:

- Perform exploratory data analysis to identify trends, anomalies, and patterns in the data.

- Successfully integrated API data from diverse sources into the client's database, enabling comprehensive data aggregation and analysis. This initiative led to profound business improvements, including enhanced decision-making capabilities, improved operational efficiency, and increased revenue generation

- Familiarity with cloud platforms such as AWS (S3, EC2, LAMBDA) for data storage and processing

SKILLS

- **Technical Skills**
  - Database
    - SQL
  - Programming
    - Python
  - Cloud
    - AWS
  - Data Analytics
    - Sales analysis
    - Power BI
    - Scikit-Learn
  - Version control system
    - Git

- **Technical Tools**
  - Python IDEs
    - Anaconda
    - Jupyter Notebook
    - Google Colab
  - SQL Tools
    - DBeaver
    - MySQL

CERTIFICATIONS

- Power Bi Analytics Specialization
- Excel skills for Business Specialization
- Executive Office Professional Certificate Program
- IBM Introduction to Data Engineering
- SQL Masterclass for Data Analytics

EDUCATION

B.E. in Computer Science

KGISL Institute of Technology (2018 - 2022)

Coimbatore, Tamil Nadu, India

- Engaged in freelance Data Analyst projects with Digital Nirvana, applying theoretical knowledge to practical business applications, enhancing data interpretation and analysis skills.

PROJECTS

Data Upload and Processing Application
Developed using Python Gradio

- Engineered an application that allows users to upload data seamlessly for automated cleaning and processing. This tool significantly enhanced the efficiency of data workflows within the organization.

Purchase Order Recommendation System
Python, SQL

- Created a sophisticated app that recommends purchase orders based on filtered product specifications. It displays inventory details, shipping information, and sales forecasts, enabling business users to make informed decisions and update purchase orders in line with predictive insights.

Optimization of Data Processes
SQL and Python

- Improved data extraction, transformation, and analysis procedures, reducing processing time by 30%. Managed the creation and upkeep of data-driven dashboards for advanced visualization and reporting purposes, facilitating more efficient decision-making across the company.