Sai Kishan Edimadakala

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Skills

- **Web Technologies: HTML, CSS, XML, PHP, JavaScript, TypeScript, ReactJS**
- **Programming Languages: C#, C, C++, Java, Python, SQL, R**
- **Tools/Platforms: Airflow, Ab Initio Pytorch, Git, Hadoop, ETL, JIRA, Power BI, SSIS, Tableau, DataStage ETL.**
- **Cloud technologies: Microsoft Azure, Azure Data Lake Storage, Azure Databricks, AWS, GCP**
- **Python and Databases: Pandas, NumPy, SciKit-Learn, Pyspark, MySQL, PostgreSQL, MongoDB, Oracle**
- **Other: Problem Solving, Critical Thinking, Communication, Collaboration**
- **Certifications: J.P. Morgan Software engineering, RESTAPI's, City Investment Banking, Generative AI.**

Experience

Data Engineer, Tata Consultancy Services.   08/2020-02/2022

- Designed and developed scalable data pipelines using **Oracle**, **Hadoop**, **SSIS**, and **DataStage ETL** tools, leveraging design patterns for robust and maintainable solutions.
- Created high-level and low-level design documents, adhering to middleware strategies and **ETL** principles.
- Developed new table structures and data links to integrate various data sources.
- Implemented complex **ETL** packages using **SSIS**, including advanced transformations, error handling, and scheduling.
- Optimized and tuned existing data environments for improved performance.
- Provided technical guidance and mentored junior team members and Interns.
- Maintained comprehensive documentation in **Confluence**.
- Followed **Agile** principles and collaborated with data analysts and domain experts to understand business requirements and translate them into efficient data engineering solutions.

Data Analyst, MPundit Solutions.   04/2019-08/2020

- Designed and optimized **SQL** queries, views, and stored procedures for efficient **data retrieval** and **reporting**.
- Analyzed and interpreted complex data sets to derive actionable insights.
- Collaborated with cross-functional teams to gather requirements and understand business needs.
- Developed **SQL** queries and **ETL** processes to extract, transform, and load data.
- Automated data reporting processes using **Python** and **SQL** scripts.
- Documented data processes and maintained data dictionaries.
- Created interactive dashboards and visualizations using **Power BI** to communicate insights and key performance indicators to cross-functional teams.
- Collaborated with stakeholders to understand business requirements and translate them into actionable data analysis projects.

Projects

- **Data Migration Automation for Data Warehousing**
  Technologies: **Azure Synapse Analytics, Azure Data Factory, SQL, Relational Databases**
- **Stock Price Prediction Using Machine Learning**
  Technologies: **Python**, Machine Learning Algorithms, Data Analysis, **Predictive Modelling**, **AWS Trainium**.
- **Enterprise Data Warehouse Implementation**
  Technologies**: Oracle, SSIS, SQL Server**
- **Marketing Campaign Analytics**
  Technologies: **AB Initio, Hadoop, Hive, Predictive Modeling**
- **Tableau Visualization for Supply Chain Analytics**
  Technologies: **Tableau**, Data Visualization, **ETL**, **SQL**
- **Real-Time Data Streaming ETL Pipeline**
  Technologies: **Azure Event Hubs, Azure Data Factory, Azure Databricks, Azure Stream Analytics**, IoT Devices.

Education

- MS in Computer Science, University of Texas at Dallas, GPA: 3.8   01/2022-12/2023
- BTech in Computer Science, SRM University, GPA: 3.5   07/2017-06/2021