Venkata Krishna Sreekar Padakandla

Charlotte, NC | +1 (203)-627-9613 | padakandlasreekar07@gmail.com | linkedin/venkata-krishna-sreekar

TECHNICAL SKILLS

Big Data and Cloud: Azure Data Lake Storage Gen2, Azure Synapse Analytics, Azure Databricks, SQL Server, Azure Active Directory, Azure Key Vault, Data Factory, AWS S3, Amazon Redshift, AWS VPC,Control-M

Data Engineering: ETL Pipelines, Batch Scripting, Terraform, Airflow , Automation and Workflow Management, PySpark, Grafana, JDBC Drivers, Linux Scripting, CI/CD ,Git,Bitbucket,Alteryx

Data Visualization: Tableau, Power BI, Matplotlib, Pandas, Plotly, Seaborn ,GIS

Databases: SSMS/MySQL, MongoDB, PostgreSQL, PL/SQL

Programming Languages: SQL, Python,Scala,R

PROFESSIONAL EXPERIENCE (2 years)

Delta Airlines ,*GA, USA*   *Jan 2024 – Present*
Data Analyst

- Spearheaded the migration of legacy SQL and PL/SQL code to PySpark and Oracle Databases, reducing deadlock issues and improving query performance by 40%.
- Automated data workflows using Apache Airflow and integrated reporting schedules in Control-M, ensuring timely data delivery for global operations.
- Created complex SQL queries for reporting and data integration with other systems, enhancing the accuracy of cross-functional analytics.
- Leveraged GitHub for source code management, maintaining version control for ETL scripts and ensuring a streamlined development process.
- Utilized Grafana for real-time monitoring of scheduled tasks, significantly improving system uptime and visibility.
- Developed and executed ETL pipelines using Alteryx and Python for seamless data transformation, reducing processing time by 30%.
- Managed AWS S3 storage for data archival and retrieval, ensuring high availability and durability for critical datasets.

Cognizant Technology Solutions, *Bangalore, India*   *Jun 2021 – Aug 2022*
Data Engineer

- Designed and managed end-to-end data pipelines on an on-premises SQL Server and Azure Synapse Analytics, maintaining data integrity and enabling efficient cloud migrations.
- Built scalable ETL pipelines using Python, T-SQL, and Alteryx, integrating clinical data from SAP and other sources into Azure Data Lake for further processing.
- Developed and scheduled reports in Control-M to monitor pipeline performance and alert stakeholders, ensuring proactive issue resolution.
- Collaborated with global teams to prepare data for predictive analytics models using PySpark and SQL, improving model accuracy and operational efficiency.
- Engineered data solutions with Oracle Databases, enhancing storage performance and reducing query latency.
- Utilized GitHub for collaborative code development and version control, ensuring seamless team coordination and traceability.

Data Analyst Intern   *Jan 2021 – Jun 2021*

- Partnered with cross-functional teams to translate complex business requirements into actionable data solutions, increasing efficiency by 60%.
- Optimized data processing by writing advanced SQL queries in PostgreSQL, reducing execution time by 20%.
- Created interactive dashboards and detailed visualizations in Power BI, providing stakeholders with real-time insights.
- Conducted exploratory data analysis (EDA) using Python (Pandas, NumPy), uncovering trends and actionable insights to drive business decisions.
- Streamlined data extraction and transformation workflows with Alteryx, ensuring data quality and consistency for reporting needs.

CERTIFICATIONS

- AWS Certified Data Engineer – Associate Link   *Dec 2024*

EDUCATION

University of New Haven – *CT, USA*   *Aug 2022 - MAY 2024*
Master of Science in Data Science   GPA:3.73/4.0
Relevant Coursework**:** Python Programming, SQL, AI, ML, Big Data (Hadoop, Spark), Data Cleaning, EDA, NLP, DBMS, LLM, Keras, Tensorflow, Pytorch

ACE Engineering College – *Hyderabad, India*   *Aug 2017 – May 2021*
Bachelors of Technology in Civil Engineering

ACADEMIC PROJECTS

Lane Detection   *Aug 2023 – Dec 2023*

- Developed a Lane Detection Model for autonomous vehicles using Deep Learning techniques, integrated with Roboflow for dataset management and PyTorch for implementation.Achieved an average MSE of 0.4034 and an F1 score of 0.9555, and created a MiniLaneDetectionModel deployed via Gradio, showcasing expertise in computer vision for autonomous navigation

Comprehensive Pizza Sales Analysis Dashboard   *Jan 2023 – May 2023*

- Developed and verified interactive dashboards for pizza sales data using Power BI and SSMS, including KPIs and trends; imported, cleaned, and transformed large datasets, and embedded final visualizations into a web application using secure APIs for seamless client access