Lakshmi GayatriAishwarya Adduri

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EDUCATION

Northeastern University   Boston, USA
Master of Science in Computer Information Systems   Expected May 2024
Course Work: Database Design & Management, Advanced Data Science, Designing Database Architecture for Business Intelligence

Vellore Institute of Technology   Vellore, India
Bachelors in Electronics and Communications Engineering   May 2021
Course Work: Operating Systems, Statistics, Advanced Algebra, Probability, and Random Theory, Calculus for Engineers

SKILLS

Tools & Technologies: Tableau, Power BI, Informatica, Apache Spark, ETL, ELT, MATLAB, Excel, Talend
Programming: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Scipy), R, Advanced Java, JavaScript, C, Linux
Databases: MySQL, SQL, PL/SQL, Microsoft SQL, MONGO DB, Snowflake
Workflow & Automation: Alteryx, GIT, Airflow, Azure, Oracle OIC, E/R Studio, Azure ADF
Interests: Data Analytics, Data Visualization, Artificial Intelligence, Optimizing Data Pipelines, Machine Learning

PROFESSIONAL EXPERIENCE

Data Engineer   July 2021 – October 2022
Wipro Technologies, India

- Collaborated with US-based client analysts to document and translate requirements into technical specifications
- Achieved a 25% reduction in data processing time by optimizing Informatica workflows and mappings
- Enhanced data accuracy and reliability by 30% through extensive profiling, cleansing, and testing
- Improved data precision by 15% and mitigated synchronization errors by 30% across 10+ client databases
- Applied agile troubleshooting, resulting in a 35% lower defect density and ensuring peak workflow performance

Keolis MRTS- Hyderabad Metro Rail, Hyderabad: Intern   May 2019- July 2019

- Developed a web app for real-time Hyderabad Metro delay monitoring, utilizing Microsoft SQL and JavaScript
- Assisted the operations center in recognizing patterns, key performance indicators (KPIs), and trends of delays
- Enhanced operational efficiency by creating dashboards, and improving decision-making, and communication

ACADEMIC PROJECTS

Used Device Price Prediction using AutoML – Best model for the dataset using the H2O Library

- Developed price prediction model with AutoML and H2O
- Conducted thorough data cleaning: imputation, handling outliers, categorical variables, and normalization
- Leveraged correlation, heatmaps, PCA, SHAP, and LIME for predictor identification and model interpretability
- Experimented with models and performed hyperparameter tuning

LA Crime Data Engineering and Analysis

- Conducted data profiling, cleaning, and staging using Alteryx and Talend, ensuring data integrity and accuracy
- Created interactive and dynamic Tableau and Power BI dashboards providing valuable insights

Electoral Database Management System

- Designed schema and implemented functions, packages, and procedures for diverse user roles
- Engineered and deployed Oracle Cloud election DBMS for secure voting

Leetify -Online Coding Platform

- Developed using JavaScript, REACT, RESTful API, Expressjs, Nodejs, HTML, CSS, and SASS in CRM architecture
- Established user roles (regular, premium, admin) for enhanced platform functionality

Java Swing Plasma Management System

- Designed user-friendly interfaces for login, home, real-time updates, and monitoring for multiple user types
- Utilized object-oriented design, and performed data modeling, and validation for efficient plasma logistics