SRILEKHA TIRUMALA VINJAMOORI

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TECHNICAL SKILLS

Programming & Analytics: Python, R, SQL, Excel
Machine Learning & AI: Supervised & Unsupervised Learning, Classification, Regression, Clustering, NLP
ML Frameworks & Libraries: TensorFlow, PyTorch, Scikit-Learn, XGBoost
Cloud: EC2, S3, AWS Lambda, Kubernetes, Docker
Data Processing: Feature Engineering, Data Cleaning, Normalization, PCA
Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
Databases & ETL: SQL Server, Oracle, Data Warehousing, ETL Pipelines

EXPERIENCE

Graduate Teaching Assistant, University of Texas at Arlington – Arlington, TX   Jan 2024 – Present
- Taught **SQL for data analysis**, enhancing students' ability to extract business insights and interpret trends using real-world use cases in **Tableau**.
- Simplified complex data analytics concepts, improving analytical reasoning and decision-making skills for a diverse audience.

Digital and Systems Analyst, Shree Venkateshwara Foams LLP – Hyderabad, India   Oct 2022 – May 2023
- Developed interactive dashboards in **Power BI**, leading to a 20% increase in sales insights and performance tracking.
- Provided data-driven recommendations to optimize marketing strategies, enhancing customer engagement by 15%.

Analyst, Wipro Limited – Hyderabad, India   Sept 2020 – Aug 2022
- Led a team of 6 to test 120 migrated servers in 10 days, ensuring 100% compliance through strategic execution.
- Extracted & analyzed defect reports in Proton, cutting issue resolution time by 30%.
- Developed a ServiceNow dashboard, improving request tracking and reducing response time by 40%.
- Managed 400-500 SSL certificates weekly, ensuring seamless issuance, troubleshooting, and 100% SLA compliance.

PROJECTS

Fraud Detection in Job Postings   Dec 2024
- Achieved 96.45% fraud detection accuracy using **Exact Bayes and Bernoulli Naive Bayes** on **Python** with advanced feature engineering.
- Developed a dynamic fraud detection system with threshold tuning for optimal precision-recall balance.
- Built interactive **Tableau** dashboards and visual insights to uncover fraud patterns and enhance decision-making.

Advocate Diary Management & Performance Analytics Dashboard   July 2024
- Built a **Power BI** dashboard by extracting advocate case data from Microsoft SQL Server, enabling real-time tracking of case outcomes and advocate performance.
- Optimized data visualization and reporting, enhancing efficiency in monitoring advocate activity and improving legal case management.

Universal Furniture Outlet – Database Design and Optimization   Dec 2023
- Developed a third-normal form **Oracle database** to streamline customer orders, delivery logistics, and inventory management.
- Optimized SQL queries and indexing strategies, improving database performance by 25% and reducing query execution time.
- Designed **Tableau** dashboards for real-time tracking of order fulfillment and inventory trends, enhancing decision-making and reducing stock shortages.

Wines Sales Prediction   Dec 2023
- Implemented machine learning models in **R** to forecast sales trends, evaluating **Random Forest, Linear Regression, and Logistic Regression** for optimal accuracy.
- Selected Linear Regression for its interpretability and efficiency, achieving an **RMSE of 5.2%**, improving sales predictions and revenue forecasting.
- Performed **correlation analysis in R** to identify key sales drivers, enabling data-driven decisions for inventory optimization and pricing strategies.

EDUCATION

University of Texas at Arlington, MS in Information Systems   Aug 2023 – May 2025
- **Coursework:** Data Mining, Data Visualization, AI Ethics, Explainability and Interpretability, Business Process Improvement, System Analysis and Design, Database Management and Optimization, Project Management, Cloud Computing