

LALITH KISHORE

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WORK EXPERIENCE

Shell India Market Pvt Ltd <i>Senior Data Scientist</i>	Chennai, TamilNadu <i>May-2022 -Present</i>
<ul style="list-style-type: none">Developed an NLP and LLM-powered chatbot to assist industrial workers to enhance industrial safety operations by providing real-time insights and support.Leveraged natural language understanding, LLM, retrieved relevant information from a knowledge base. Utilized Python, NLTK, Transformers (Hugging Face), LangChain (for RAG implementation), Flask (for API) for development.Developed and deployed a churn prediction model using XGBoost, Random Forest that reduced customer churn rate by 12%, leading to a projected annual revenue increase of \$0.7 millionBuilt and maintained a robust data pipeline using Google BigQuery to efficiently process large datasets for real-time analytics. Optimized machine learning models for both accuracy and scalability using hyperparameter tuning. This resulted in a 91% of accuracy improvement in model performance while ensuring efficient deployment for large-scale production use.Established a deep understanding of clients' business contexts, worked closely to unravel intricate challenges and opportunities Translated complex data into clear and actionable business insights, enabling stakeholders to make data-driven decisions.	

ADF Data Science Pvt Ltd <i>Data Scientist</i>	Chennai, TamilNadu <i>Mar-2019 – May-2022</i>
<ul style="list-style-type: none">Built machine learning models for credit risk assessment using Logistic Regression and LightGBM. Deployed the models using Flask to detect high-risk customers.Achieved 70% accuracy on the validation dataset using K-Fold cross-validation for hyperparameter tuning. Performed data extraction, manipulation, and quality analysisAnalyzed different underwriting criteria for loan applicants	

CellarStone Pvt Ltd <i>Software Test Engineer - Intern</i>	Chennai, TamilNadu <i>Dec-2017 – Jun-2018</i>
<ul style="list-style-type: none">Sales Commission software development hubExpert in writing test cases for all kind of modules in customer perspectiveAble to research and solve the customer end problems with proper root cause.	

EDUCATION

Guru Nanak College, Chennai <i>Master of Computer Application, CGPA: 8.8</i>	<i>June 2016 – June 2018</i>
Guru Nanak College, Chennai <i>Bachelor of Computer Science, CGPA: 7.8</i>	<i>June 2013 – May 2016</i>

SKILLS

Competencies: Logistic Regression, Regression Analysis, Decision Trees, Random Forests, XGBoost, LightGBM, NLP, Text Processing, Transformers, Word Embedding(Word2Vec, BERT), Generative AI, EDA, LLM(Large Language Model), RAG, Langchain

Programming Languages: Python(sklearn pandas numpy), SQL

Tools/Frameworks: TensorFlow, Keras, GCP, Bigquery, Github/Git, Docker, Kubernetes

CERTIFICATION

PGP in Artificial Intelligence and Machine Learning, **University of Texas**