

# YASHASWI CHERUKOORI

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## EXPERIENCE SUMMARY

Result-driven Data Analyst with 3+ years of analytical experience specializing in **Energy, Forecasting, optimization** & Supply/Demand Planning. Demonstrated proficiency in **Python, SQL, Hadoop, Spark, AWS & Tableau**, leveraging large-scale data in driving impactful business decisions. Knowledge in building **Time Series, ML, AI & DL models** & deploying them end-to-end.

## PROFESSIONAL EXPERIENCE

### University of Houston | Houston, TX

Aug 2024 – Present

#### Data Analyst - Program Manager

- Analyzed auxiliary service data using Python and SQL, improving resource allocation accuracy by 25% and enhancing operational efficiency.
- Created interactive Tableau and Power BI dashboards, reducing reporting time by 40% and increasing data accessibility for stakeholders.
- Automated ETL workflows to streamline operations, saving 30% in manual effort and improving data consistency.
- Conducted segmentation using clustering techniques, resulting in a 15% increase in satisfaction scores for meal plans.
- Proposed inventory optimization strategies that reduced costs by 20% and improved forecasting accuracy.

### Veeva Systems | Houston, TX

Feb 2024 – Aug 2024

#### Data Analyst

- Enhanced scalability of segmenting and targeting processes by integrating data from diverse sources, ensuring seamless functionality.
- Streamlined analytics pipelines with AWS S3 and Redshift, increasing data processing speed by 30%.
- Created predictive models with Python and SQL, aligning talent acquisition strategies with workforce goals.
- Directed the design of secure CI/CD workflows in GitLab, improving deployment efficiency and ensuring compliance.
- Enhanced Tableau dashboards, leading to a 15% reduction in time-to-hire and actionable workforce insights.
- Trained junior analysts, fostering expertise in data visualization techniques and collaboration

### Accenture Solutions (Client: Cigna Health Insurance) | Hyderabad, India

Aug 2021 – Aug 2022

#### Associate Software Engineer

- Delivered SQL-driven insights that improved healthcare reporting accuracy by 15%.
- Reduced claims processing times by 20% through automation with Informatica and SQL.
- Increased database reliability by optimizing PostgreSQL, ensuring compliance with HIPAA standards.
- Revamped Tableau dashboards for healthcare metrics, saving 10% in operational costs.
- Validated and reconciled large-scale datasets with Python scripts to enhance decision-making accuracy.
- Built custom dashboards in Tableau to track operational metrics, streamlining processes for healthcare providers.

### UnPlatforms | Hyderabad, India

Aug 2020 – Jul 2021

#### Software Intern

- Delivered cross-platform productivity tools with React JS and TypeScript, enhancing user satisfaction by 25%.
- Built Power BI dashboards, improving task completion rates by 30%.
- Conducted extensive testing, reducing application errors by 15%.

## TECHNICAL SKILLS

**Languages/Tools:** Python, R, SQL, PySpark, Git, Tableau, R Shiny, Power BI, H2O.ai

**Libraries:** Scikit-Learn, Pandas, NumPy, Matplotlib, TensorFlow, Plotly, ggplot2, PyTorch, Keras, SciPy, Prophet, xgboost, Nixtla lightgbm, seaborn, streamlit, Pytorch-Forecasting.

**Machine Learning & Deep Learning:** Neural Networks, LSTM, MLP, Transformers, Random Forest, SVM, Regression, XGBoost, LightGBM, K-means, DBSCAN, Generalized Linear and Non-Linear Models, LLMs (GPT, BERT)

**Stats Experimentation:** Time-Series Analysis (OLS, GMM, MLE), A/B testing, Hypothesis testing, Monte-Carlo simulations

**Cloud:** Azure (Databricks), Amazon AWS (EC2, Lambda, S3, ECR, RDS, Sagemaker), Snowflake, Docker

## EDUCATION

University of Houston, Master of Science in Engineering Data Science

Aug 2022 – Dec 2023

CMR College of Engineering and Technology | Hyderabad, India, Bachelor of Technology in Electronics & Communication Engineering

Jul 2017 – May 2021

## CERTIFICATIONS

- AWS Cloud Practitioner.
- Tableau Desktop Specialist.
- Google Data Analytics Professional Certification.
- Certified SAS programming and Data Analysis.

## PROJECT HIGHLIGHTS

### Oil Pipeline Accidents & Failure Cost Prediction

- Achieved 87% accuracy in predicting pipeline failure costs with machine learning models, reducing maintenance risks.. ([Link](#))

### Air Quality Prediction using Neural Networks

- Leveraged LSTM models to improve time-series forecast accuracy to over 90%.

### Restaurant Management System

- Revitalized real-time tracking on AWS EC2, improving operational efficiency by 20%.

### E-commerce Platform Development

- Launched a full-stack application integrating React JS, Node.js, and MongoDB, reducing transaction failures by 25%. ([Link](#))