

# Durga Chowdary Koduru Lokesh

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## EDUCATION

### Masters in Business Analytics

2023-Present

Kent State University | Kent, Ohio, United States | GPA 3.6/4.0 | Coursework: Machine Learning, Database management, Data visualization, Data mining, Deep learning.

### Bachelor of Technology in Electrical and Communication Engineering

2014-2018

SIETK Puttur | AP, India | Embedded systems, Signal communication, Microprocessors, Data communication.

## PROFESSIONAL EXPERIENCE

### Intern | Kent state University | Kent, OH.

2024 – 2024

- **Developed a Demand Forecasting Model:** Integrated student demographics and financial analysis to develop a revenue forecasting model for the university using **Regression** and **Time Series** Models to predict the incoming students.
- **Performed Data Transformation:** Conducted data transformation on demographics data using **R programming** from both university and external state sources to prepare it for modeling.
- **Supported Finance and Marketing Teams:** Presented our analysis to the finance team for budget preparation and the marketing team using **tableau** dashboards analytics to target lead generation by providing accurate predictions.

### Engineer | EPAM Systems INC | Bangalore, India.

2022-2023

- Designed and implemented robust **ETL pipelines** using **Azure Data Factory** integrating data from multiple sources and ensuring data integrity with **Azure Backup**.
- Developed and optimized, complex **SQL** queries for efficient ETL processes, leveraging **Azure Data Lake**. Conducted extensive data analysis with **EDA** techniques and R programming, creating comprehensive visualizations with **ggplot2** to support business intelligence.
- Created and maintained interactive dashboards and reports using **Tableau**, utilizing **Azure Synapse** Analytics for data warehousing and big data analytics. Collaborated with cross-functional teams to design scalable database schemas and implemented security protocols to protect sensitive data.

### Associate consultant | KPMG Global services | Bangalore, India.

2021-2022

- Designed and implemented robust **ETL** pipelines in **AWS Glue** for seamless data integration and data transformation alongside implementing comprehensive security measures and performing regular backup and recovery procedures to maintain data integrity and availability.
- Developed and optimized complex **SQL** queries, focusing on efficient **data extraction, data transformation**, and loading (**ETL**) processes from more than diverse data sources. Enhanced data quality and consistency, significantly improving business operations and reporting capabilities.
- Created and maintained **python** automated dashboards and reports using **Tableau**, delivering actionable insights to stakeholders, and facilitating data-driven decision-making.

### Junior Engineer | Mindtree Ltd. | Bangalore, India.

2018-2021

- Managed and maintained **Oracle** and **SQL** Server databases, supporting over 20 business-critical applications, ensuring 98% uptime and reliability.
- Developed and executed over 50 SQL scripts for data extraction and reporting, enhancing data accessibility and supporting business intelligence initiatives.
- Collaborated with **BI developers** to design and implement data models and database schemas, leading to the creation of Power BI dashboards, utilizing **DAX** queries improving data-driven decision-making for media client.

## SKILLS

**Programming:** R programming, Python, Shell Script (Linux/UNIX)

**Database:** Oracle, Hadoop, MS-SQL.

**Machine learning:** supervised and unsupervised learning, TensorFlow, Classification, clustering, regression techniques, time series and forecasting, deep learning (ANN, CNN, RNN, LSTM), A/B testing, data transformation.

**Testing:** Hypothesis testing, A/B testing.

**Visualization:** Tableau, Power BI, Alteryx

**Cloud:** AWS -- Lambda, EC2, RDS, ALB/NLB, S3, Glue, Code Build, EKS, ECR, EMR | Azure-- AKS, storage services, compute services

**Integration:** MLflow, DVC, DevOps, Docker, Vertex AI, Keras.