

## **KanvaKoushik Gopavarapu**

Contact: +1(407) 408-3306 | [KanvaKoushik.Gopavarapu@outlook.com](mailto:KanvaKoushik.Gopavarapu@outlook.com) | Lubbock, Tx | [LinkedIn](#)

Website: <https://website-portfoliookkg.netlify.app/>

### **Professional Experience:**

#### **Project: Advanced Data Analytics Platform, Benecias LLC- Cranbury, NJ. May 2024- Present**

- Designed and implemented scalable data pipelines using AWS Big Data tools, improving data integration and reducing costs by 20%.
- Created dynamic Power BI dashboards, enhancing KPI visibility and enabling faster decision-making for stakeholders by reducing decision latency by 30%.
- Conducted predictive analytics on historical data using Python and AWS SageMaker, improving forecasting accuracy by 25%.
- Automated ETL processes with AWS Lambda and Glue, reducing manual interventions by 40%.
- Improved query performance by 40% through optimized star schema data models.

#### **Graduate Assistant – Data Integration and Development, Texas Tech University. Jul 2023-Dec 2023**

- Collaborated with a program manager to manage and analyze large datasets, optimizing database management processes using SQL.
- Built APIs to streamline cross-platform data exchanges, reducing errors by 50%.
- Optimized SQL queries, reducing data processing times by 30% and increasing analytical precision.
- Engineered ETL workflows to automate data integration, improving operational efficiency by 40%.

#### **Software Developer – Image Classification, Triad Techno Services, India. May 2021-Dec 2021**

- Developed backend systems for scalable .NET Core applications, improving system reliability by 15%.
- Designed a CNN-based image classification service, achieving 95% accuracy for real-time predictions.
- Integrated REST APIs for real-time data processing, enhancing system interoperability.

### **Certifications:**

- AWS Certified Solutions Architect Associate | Valid till 2027
- Google Data Analytics Professional - Coursera
- Python for Data Science and Machine Learning Bootcamp – Udemy

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### **Education:**

Master's in Computer Science, Texas Tech University | GPA- 3.58. (2021-2023)

Bachelor's in Engineering, Hindustan Institute of Technology and Science | GPA- 8.9. (2017-2021)

### **Technical Skills:**

- **Tools:** Python, SQL, R, Tableau, Redshift, Quick Sight, TensorFlow, Pytorch MS Excel, Hadoop, Snowflake, Hive, Spark, AWS, sci-kit-learn, Postman.
- **Techniques:** Data Analysis, Statistical Analysis, Machine Learning, Regression A/B Testing, Data Visualization, ETL Pipelines, API Development, Supply Chain Data Optimization.