Kanva Koushik Gopavarapu

Lubbock, Texas

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Education

Texas Tech University	**Lubbock, Texas**
Master's in Computer Science. 3.58 GPA	2021–2023
Hindustan Institute of Technology and Science	**Chennai, India**
Bachelor's in Technology. 8.9 CGPA	2017–2021

Experience

Benecias, Project: Advanced Data Analytic Platform — **Cranbury, NJ**
Data Engineer — May 2024– Present
- Designed and implemented scalable data pipelines using AWS Big Data tools, improving data integration and reducing costs by 20%.
- Conducted predictive analytics on historical data using Python, AWS SageMaker, and Azure, improving forecasting accuracy by 25%.
- Automated workflows with AWS Lambda and Glue, reducing manual interventions by 40%.
- Created dynamic dashboards with Power B for stakeholders, reducing decision latency by 30%.
- Improved database query performance by 40% through optimized star schema data models.
- Implemented robust error-handling mechanisms in ETL processes, increasing data pipeline reliability.
- Utilized Smartsheet and other project management tools to track project timelines and deliverables, ensuring on-time completion.
- Assisted in the migration of on-premise data systems to cloud-based environments using AWS Redshift and S3.

Texas Tech University, Data Integration and Development — **Lubbock, TX**
Graduate Assistant — Jun 2023–Dec 2023
- Developed and debugged APIs to streamline cross-platform data exchanges, reducing errors by 50%.
- Optimized SQL queries, improved data processing speeds by 30% and improved analytical precision.
- Engineered ETL workflows to automate data integration, improving operational efficiency by 40%.
- Enhanced the performance of existing data pipelines by implementing modular code in Python, increasing maintainability and scalability.
- Provided technical support for data-related issues, ensuring smooth operations for faculty and students.

Triad Techno Services, Image Classification — **Hyderabad, India**
Software Developer — May 2021–Dec 2021
- Designed a CNN-based image classification service, achieving 95% accuracy for real-time predictions.
- Integrated REST APIs for real-time data processing, enhancing interoperability.
- Developed backend systems using .NET Core, increasing system reliability by 15%.
- Conducted thorough testing and debugging of image processing algorithms, ensuring accuracy and stability.

Mad Soft Technology — **Hyderabad, India**
Intern — Oct 2020–Dec 2020
- Gained hands-on experience in C programming and Python for developing scalable solutions.
- Worked on foundational database design and development, improving query performance and storage optimization.
- Implemented and debugged algorithms for database-driven applications.

Technical Skills

Tools: Python, Java, C Programming, SQL, Tableau, Redshift, Quick Sight, TensorFlow, Pytorch, MS Excel, Hadoop, Spring boot, Snowflake, Smartsheet, Hive, Spark, AWS, sci-kit-learn, Azure, Databricks, Postman.

Techniques: Data Analysis, Statistical Analysis, Machine Learning, Front end, Regression A/B Testing, Data Visualization, ETL Pipelines, API Development, Supply Chain Data Optimization.

Certifications

AWS Certified Solutions Architect Associate	Oct 2024
Python for Data Science and Machine Learning Bootcamp - Udemy	Feb 2024
Google Data Analytics Professional - Coursera	Oct 2023