
DANY KOUDEDE

Houston, Texas 77069 | +1(832) 963-2710 | danykoudede89@gmail.com

Summary

Highly motivated and analytical individual with a strong foundation in computer science and data science. Offering extensive experience in automating and optimizing DevOps processes, productionizing machine learning models, and leveraging AWS SageMaker for end-to-end model development and deployment. Possesses a keen aptitude for data analysis, pattern recognition, and predictive modeling, along with excellent problem-solving and communication skills. Adept at collaborating with cross-functional teams to meet project objectives and staying updated on the latest machine learning advancements and technologies.

Skills

- Strong problem-solving and analytical skills
 - Excellent communication and presentation abilities
 - Ability to work collaboratively in cross-functional teams
 - Amazon Web Services (AWS) / IBM Cloud
 - ETL (Extract, Transform, Load)
 - Programming Languages: Python, R, MATLAB, HTML, CSS, SQL, JavaScript
 - Linux System / Linux
 - Data Analysis: Pandas, NumPy, Scikit-Learn, Keras & TensorFlow
 - Data Visualization: Matplotlib, Seaborn, Plotly, Dash, Tableau, PowerBI
 - Machine Learning: Regression, Classification, Clustering, Natural Language Processing
 - Databases: Oracle, MongoDB, SQL, NoSQL
 - Big Data: Apache Spark (PySpark, Spark SQL), Scala
 - Statistical Analysis: Hypothesis Testing, ANOVA, Bayesian Statistics
 - Tools: Jupyter Notebook, Git, Excel, SQL
 - Framework: Flask, Dash, Django
-

Experience

Math & Computer Programming Instructor

10/2019 to Current

Varsity Tutors

- Taught a wide range of mathematical topics, including calculus, statistics, linear algebra, and discrete mathematics, to college graduates and undergraduates
- Designed and delivered interactive and engaging lectures, workshops, and hands-on activities to facilitate student learning and comprehension
- Utilized various software tools, such as Python, R, and MATLAB, Linux to demonstrate real-world applications of mathematical concepts and computer science principles
- Developed and delivered curriculum for data analytics training programs, covering topics such as data cleaning, exploratory data analysis, statistical modeling, and machine learning
- Mentored and guided students in their computer science projects, helping them develop problem-solving skills and coding proficiency
- Developed and maintained a positive learning environment that encouraged student participation and inquiry.

Data Analyst

02/2022 to 10/2022

Sunshine Cleaning Systems Inc.

Burlington, VT

- Collected and cleaned large datasets from various sources, ensuring data accuracy and integrity
- Performed data analysis using advanced Excel functions, pivot tables, and VBA macros to extract meaningful insights
- Developed and maintained automated reports and dashboards to track key performance indicators (KPIs)
- Conducted comprehensive data analysis to identify areas of cost reduction and revenue enhancement
- Developed and implemented a methodology to track and analyze expenditure data to identify

inefficiencies and cost-saving opportunities

- Collaborated with cross-functional teams to gather and analyze relevant data to identify growth opportunities and revenue-driving strategies
- Utilized statistical techniques and predictive modeling to forecast revenue potential and optimize pricing strategies
- Created and maintained data dashboards and visualization tools to present insights and key metrics to stakeholders.

Data Scientist

01/2019 to 08/2021

Cigna

Remote

- Automated the entire DevOps pipeline, optimizing infrastructure settings and configurations to streamline data processing and model deployment, resulting in a 20% reduction in deployment time
- Played a pivotal role in system administration, particularly for Linux/Unix servers. This included optimizing the infrastructure settings and configurations to streamline data processing and model deployment. Ensured the proper functioning and maintenance of Linux/Unix systems for smooth operations in a data-intensive environment.
- Actively engaged in program design and coding of machine learning workflows and pipelines. Rigorously tested and debugged code to optimize model development and performance.
- Led the productionization of machine learning models, taking models from development to production environments, ensuring seamless integration into business operations
- Utilized AWS SageMaker to build, train, and deploy machine learning models, increasing model accuracy by 15% and reducing operational costs by 10%
- Implemented Amazon SageMaker Model Building Pipelines to create end-to-end workflows, managing and deploying SageMaker jobs, enhancing efficiency in model development
- Collaborated with cross-functional teams to define project requirements and objectives, aligning data-driven solutions with business goals
- Conducted data mining and analysis to identify patterns, trends, and actionable insights, resulting in data-driven business strategies and improved customer satisfaction
- Designed and optimized machine learning workflows and pipelines, reducing model development time by 25% and enhancing model performance
- Performed feature engineering and selection techniques, improving model accuracy and predictive capabilities
- Evaluated machine learning model performance using appropriate metrics, ensuring data-driven decisions align with business objectives
- Stayed up-to-date with the latest advancements in machine learning techniques and technologies, implementing cutting-edge solutions to address complex business challenges
- Communicated findings and results to stakeholders in a clear and concise manner, fostering a data-driven culture within the organization.

SQL Developer

02/2015 to 11/2018

Gold Quest Group, Llc

Houston, TX

- Spearheaded the development, deployment, and meticulous monitoring of SSIS Packages, facilitating the seamless integration of new ETL Processes
- Demonstrated proficiency in crafting, updating, and deploying high-caliber T-SQL codes, stored procedures, views, functions, triggers, and jobs, ensuring the maintenance of data integrity and operational efficiency
- Assumed a pivotal role in fortifying data security protocols, resulting in a 15% reduction in breach risk, while conducting rigorous database testing and proficiently rectifying any identified issues
- Skillfully addressed program architecture challenges, leading to a noticeable decrease in support requests and an optimized operational framework
- Drove the normalization of databases, a pivotal initiative that significantly curbed duplicate data, thereby enhancing marketing segmentation precision and overall system performance and metrics
- Demonstrated unwavering dedication to the maintenance and support of SQL Server Mirroring, Log Shipping, Clustering, and other disaster recovery methods, safeguarding critical business continuity

- Collaborated seamlessly with business stakeholders, application developers, and production teams, fostering cross-functional communication to identify business requirements and explore effective solution options
- Pioneered the development of highly efficient algorithms in Python through both collaborative pair-programming efforts and independent initiatives, resulting in an impressive 18% boost in inventory management benchmarks
- Diligently tracked and updated project status through JIRA, ensuring transparency and accountability in project management processes.

Education and Training

Data Analytics & Visualization	11/2019
Rice University	Houston, TX
Computer And Information Sciences: Associate of Applied Science	05/2017
Houston Community College Houston, TX	
Mathematics: Bachelor of Science	08/2012
Marien Ngouabi University Congo	

Websites, Portfolios, Profiles

- Portfolio: <https://koud-dany.github.io> | LinkedIn : <https://www.linkedin.com/in/dany-koudede-1152611a5/>
-

Certifications

- Data Analytics and Visualization, Rice University
 - IBM Data Science Certificate
 - ML in Production, DeepLearning.AI Certificate
 - Microsoft 70-762 SQL Developer Certificate
-

Accomplishments

- Implemented a cost reduction initiative that resulted in a 10% decrease in overall spending within the first quarter.
 - Developed a pricing optimization model that led to a 15% increase in revenue for a product line.
 - Streamlined data collection and reporting processes, reducing time and effort by 30%.
 - Presented data-driven recommendations to senior management, resulting in key strategic decisions that improved profitability.
 - Member, Phi Theta Kappa Honor Society
-

Languages

English:	French:
<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
Full Professional	Native/ Bilingual
Spanish:	
<div><div></div><div></div><div></div><div></div><div></div></div>	
Limited	