AI/ML Data Engineer: Transforming Data into Actionable Insights

SUMMARY

Highly skilled AI/ML Data Engineer with 8+ years of experience in designing, developing, and deploying robust data pipelines and machine learning models. Proven ability to transform raw data into actionable insights, driving business growth and innovation. Expertise in big data technologies, cloud platforms (AWS, GCP), and machine learning frameworks (TensorFlow, PyTorch). Proven track record of delivering high-performing ML models in complex, real-world environments.

PROFESSIONAL EXPERIENCE

Senior AI/ML Data Engineer at Acme Corporation, AI Town, ML — May 2019 - Current

- Developed and deployed scalable data pipelines using Apache Airflow to ingest, process, and transform large volumes of data from various sources (databases, APIs, IoT devices).
- Built and optimized machine learning models for customer churn prediction, recommendation systems, and fraud detection using TensorFlow and PyTorch.
- Collaborated with data scientists and business stakeholders to understand requirements and translate them into actionable data solutions.
- Implemented data quality checks and monitoring to ensure data accuracy and consistency.
- Mentored junior data engineers and provided technical guidance.

AI/ML Data Engineer at TechCorp, AI City, ML — May 2016 - May 2019

- Designed and implemented data warehousing solutions using Amazon Redshift and SQL.
- Developed ETL processes to extract, transform, and load data into data lakes and data warehouses.
- Conducted exploratory data analysis to identify patterns and trends.
- Built predictive models for customer segmentation and marketing campaign optimization.
- Deployed machine learning models into production using AWS SageMaker.

DATA ENGINEER

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LinkedIn | Github

SKILLS

- Programming: Python, SQL, Scala, Java
- Machine Learning: TensorFlow, PyTorch, Scikit-learn, Keras, NLP, Computer Vision
- Big Data: Hadoop, Spark, Hive, Kafka
- Cloud Platforms: AWS (EC2, S3, EMR, Redshift), GCP (Dataflow, BigQuery)
- Data Engineering: ETL/ELT, Data Pipelines, Data Warehousing, Data Modeling
- Tools: Airflow, Docker, Kubernetes, Git, Jupyter Notebook

EDUCATION

M.S in Machine Learning from University of California, Berkeley, CA - May 2016

BS in Computer Science and Engineering from UIUC, IL - May 2014