# Yashwanth Reddy Boddireddy

Data & AI Professional | ML, GenAI, and Scalable Analytics, Jersey City, NJ
+1 (201) 884-3230 | yashwanthredyy335@gmail.com | linkedin.com/in/ /yashwanth-reddy-boddireddy |
GitHub.com/yashwanthreddy7178

## SUMMARY

Senior Data & AI professional with 5 years of progressive experience designing and deploying large-scale data pipelines, machine learning systems, and generative AI solutions. Proven record of delivering 3 TB+ daily ETL pipelines, 50K+ inferences per day, and advanced analytics that boosted user retention by 15%, accelerated model rollout by 80%, and drove $5M+ in product investments.

## SKILLS

**Programming & Frameworks:** Python,SQL, Tensorflow, Pytorch, Scikitlearn, Spark
**Machine Learning & GenAI**: AI Agents, Langchain, FastAPI, Anomaly Detection, Predective Modelling
**MLOps & DevOps:** Docker, Kubernetes, Jenkins, MLflow, Databricks, Flask, Snowflake
**Cloud Platforms & Tools:** AWS(Lambda, S3, Glue, RDS, EC2 GPU), Azure((Data Factory) ,GCP (BigQuery)
**Data Engineering & Orchestration:** Airflow, Dask, Hadoop, dbt, ETL Pipelines, Data Modeling, MongoDB, kafka
**Collaboration & Leadership:** Agile, Cross-functional Teams, Stakeholder Demos, Mentoring, Documentation

## EXPERIENCE

**Senior Data Scientist**
**Vmware,** Remote, USA                                                                                   **July 2024 – Present**

- Engineered a scalable MLOps platform (Docker, Kubernetes, Jenkins, Airflow) delivering 50K+ real-time inferences/day with 80% faster rollouts, zero-downtime CI/CD, and less than 5% prediction error.
- Boosted ML performance by 22% F1 via large-scale feature engineering (SageMaker, EMR, Dask, MLflow) and achieved 94% accuracy in time-series models and 28% higher precision in anomaly detection.
- Automated 120+ ML pipelines across 500+ systems (Airflow, Databricks) and containerized 30+ microservices, processing 3 TB/day of telemetry to accelerate training and iteration.
- Delivered RAG-based LLM assistant and API solutions (OpenAI, LangChain), parsed 1 TB+ logs with TensorFlow anomaly detection, and created dashboards that drove 15% retention lift and informed $5 M+ investments.

**Senior Data Scientist**
**Accenture**, Hyderabad, India                                                           **October 2020 – August 2023**

- Built HBO Max's real-time recommendation engine using collaborative filtering and NLP, boosting session time by 19%, MAUs by 12%, and trailer conversions by 30%.
- Migrated Spark pipelines to Docker-on-ECS with Spinnaker CI/CD and unified 5 TB/day streaming into an S3 data lake via Airflow + AWS Glue, cutting model delivery time by 30%.
- Implemented CloudWatch/Prometheus monitoring, custom A/B and multi-armed bandit frameworks, reducing churn incidents by 40% and improving YoY churn by 8.5% and CTR by 2%.
- Modularized ML assets in Databricks with MLflow lineage, mentored three junior data scientists, and led tech talks, doubling team velocity and elevating code quality.

## PROJECTS

**LLM-Powered Root Cause Explorer for Anomaly Investigation**

- Designed and deployed an LLM-powered RCA system (LangChain + DistilBERT + RAG) on AWS ECS Fargate with Kafka + Prometheus integration, achieving 87% precision across 10+ anomaly types and reducing triage time by 65%.

**Scalable Credit Risk Scoring System**

- Built a real-time credit scoring system with PySpark + XGBoost (AWS Glue + Kubernetes), achieving 89% F1-score, sub-100ms latency, and regulatory-aligned explainability via SHAP dashboards, boosting stakeholder trust and compliance.

## EDUCATION

Master of Science in Data Science, Statistics, **New Jersey Institute of Technology, USA**          **September 2023 – May 2025**