

Aneesh Tigga

+91-6396741368 | aneeshtigga@gmail.com | linkedin.com/in/aneeshtigga | github.com/aneeshtigga

PROFESSIONAL SUMMARY

Senior Data Engineer with 7+ years building scalable ETL systems, data platforms, and AI-powered analytics solutions. Expert in distributed systems on AWS/GCP, LLM applications with RAG architectures, and delivering \$5M+ in business value. Specialized in bridging traditional data engineering with modern AI/ML for enterprise-scale solutions.

TECHNICAL SKILLS

Languages: Python, SQL, Java, Scala, Go, JavaScript

Cloud & Big Data: AWS (S3, EMR, Lambda, Redshift), Azure OpenAI, Databricks, Qubole, GCP (DataProc, BigQuery)

Data Processing: Apache Spark, Kafka, Hive, Airflow, Trino, ETL Pipelines

AI/ML: Azure OpenAI, LangChain, FAISS, GPT-4o, RAG, Semantic Search

Tools & Frameworks: FastAPI, Spring MVC, React, Streamlit, Tableau, Terraform, Docker, Git, CI/CD

PROFESSIONAL EXPERIENCE

Senior Data Engineer

Affine - Expedia Group

Oct 2024 – Present

Bengaluru, India

- Lead team of 5 engineers building KPI analytics frameworks for platform engagement metrics across Expedia brands
- Spearheaded Qubole to Databricks and Cloverleaf to GCP DataProc migrations, achieving 40% faster runtimes and 30% cost reduction
- Architected data profiling systems detecting anomalies across 1000+ datasets, reducing data quality errors by 25%

Data Engineer

Affine - Expedia Group

Sep 2021 – Oct 2024

Bengaluru, India

- Built end-to-end AWS data pipelines processing 10+ TB daily from APIs, databases, and Kafka streams for Expedia brands
- Optimized ingestion layers using PySpark and Airflow, reducing latency 60% and achieving 99% availability SLA
- Scaled distributed solutions improving processing efficiency 45% while reducing compute costs through optimized Spark configurations

Data Engineer

Tata Consultancy Services - Vanguard Group

Dec 2018 – Sep 2021

Hyderabad, India

- Migrated Big Data tables from IBM DB2 to AWS S3, enabling analytics for 30M+ investor accounts with 50% cost savings
- Developed PySpark ETL programs on AWS EMR processing 5+ TB daily with 99.9% data accuracy
- Enhanced Digital Advisor platform serving 10M+ users with Spring MVC modules, improving response times 35%

KEY PROJECTS

Swim - AI Analytics Platform: Engineered conversational AI analytics platform to provide insights for non-technical users using Azure OpenAI and RAG architecture. Implemented semantic search with LangChain and FAISS over 1000+ tables. Built FastAPI backend with Trino/Graph APIs for dynamic SQL generation and automated visualization. Deployed with Streamlit chat interface

Data Insights Tool (Hackathon Winner): Built GPT-4o powered natural language analytics tool enabling business users to query complex datasets without SQL knowledge

Update Relay: Designed cross-platform notification system in Go/JavaScript routing real-time messages to multiple channels with 99.9% reliability

EDUCATION

University of Petroleum and Energy Studies

Bachelor of Technology in Computer Science Engineering (Telecom Informatics)

Dehradun, India

May 2018

ADDITIONAL

Certifications: IBM Telecom Informatics Specialist, Splunk 7.x Fundamentals

Leadership: Head of Design - ACM Student Chapter UPES (2014-2017)

Design: Full Stack Brand Designer - LaundryToGo.ca & LaundryForClinics.ca (Contract, 2020-2022)