# Ayesha Singh

ML Engineer

Summary  
Ayesha serves Thoughtworks as a Machine Learning Engineer with five years of experience in building, deploying, and maintaining ML pipelines for personalization, search, and fraud detection systems in e-commerce.

Thoughtworks Experience

Product Recommendation System for E-commerce Platform  
Jan 2023 – Present  
Built and deployed a collaborative filtering model to recommend products based on customer behavior and metadata. Worked on model retraining automation.  
  
Tech Stack:  
Python, TensorFlow, Airflow, MLflow, AWS SageMaker

Other Experience

BuyFast  
ML Engineer – Jul 2019 – Dec 2022  
Built search ranking models using XGBoost and LightGBM. Implemented real-time fraud detection pipelines with Kafka and Spark Streaming.  
  
Tech Stack:  
Python, Kafka, Spark, XGBoost, GCP

Skills

Programming Languages: Python, SQL

Frameworks/Tools: TensorFlow, Scikit-learn, MLflow, Airflow

Databases: BigQuery, PostgreSQL

Cloud Platforms: GCP, AWS

Methodologies: CRISP-DM, Agile

Certifications

TensorFlow Developer Certificate – 2021

Education

Master’s in Computer Science  
IIIT Hyderabad, 2018