

ADIT SHRIMAL

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EDUCATION

M.S. in Data Science, University of San Francisco

Jul 2022 - Jun 2023

Relevant Coursework: Advanced Machine Learning, Distributed Data Systems, Data Structures & Algorithms, Relational Databases

B.E. in Computer Engineering, University of Mumbai

Jul 2015 - May 2018

Relevant Coursework: Data Structures & Algorithms, Computer Networks, Database Management Systems, Machine Learning

PROFESSIONAL EXPERIENCE

Amazon Web Services

Nov 2022 - Present

Machine Learning Intern

- Built a sequential recommendation model using the RecBole library.
- Utilized SHAP and KernelSHAP to explain model predictions and identify features with the highest impact on recommendations, improving model interpretability and facilitating collaboration with non-technical stakeholders.
- Currently working on implementing Timesharp to provide time-based explanations of recommendations, enabling users to better understand why specific items are being recommended at a given time.

Fractal Analytics

Nov 2021 - Jun 2022

Data Engineer

- Worked closely alongside customers to translate business requirements into technical solutions.
- Designed and built Google Cloud Platform (GCP) data-driven solutions for enterprise data warehouses. GCP products used - Composer, Dataflow, BigQuery, Cloud Storage.
- Designed and implemented an end-to-end data encryption strategy using Google Tink and Google KMS for enhanced data security.

Bewakoof Brands Pvt. Ltd.

Feb 2020 - Nov 2021

Data Scientist

- Designed and built a data pipeline from scratch using Google Cloud Platform which outperformed the existing pipeline in terms of scalability, fault tolerance, and cost-efficiency (approximate 40% cost reduction).
- Developed and implemented Product Ranking auto-sort algorithm from scratch which gave a 25% boost to Revenue-Per-Thousand-Impressions, 36% boost to Click-Through-Rate, and 12% boost to Add-to-Cart-Rate.
- Developed product widgets 'Similar products', 'What's New', and 'Bestsellers' (currently live on Product Detail Page and Home page), which recommends products with similar content, new arrivals & bestsellers (last 30 days) which helped to increase customer engagement and boost Product-View-Rate per customer.
- Developed personalized recommendations for users by creating implicit ratings based on user behavior and using the ALS algorithm.

Reliance Jio

Jul 2018 - Feb 2020

Data Engineer

- Worked with the team to build a large scalable platform for Jio Media Analytics to capture, visualize & provide insights into User Acquisition, User Engagement, and Content Consumption patterns.
- Built a streaming data pipeline that handled millions of events at scale in real-time using Kafka, Flink & Elasticsearch. This outperformed existing pipelines which observed a Kafka lag of more than two hours.
- Implemented data warehouse using HDFS, Spark, and Cassandra, which was used by Product Managers and Leaders for systematic computational analysis of data.

TECHNICAL SKILLS

- Big Data Tools: Kafka, Flink, Spark, HDFS
- Google Cloud Platform: Pub/Sub, Cloud Dataflow, Cloud Storage, BigQuery, Cloud Functions, Firestore, Dataproc, Recommendations AI, Cloud Scheduler, Composer (Airflow)
- Programming Languages: Python, Java, SQL
- Databases: Elasticsearch, MySQL
- Machine Learning: Linear Regression, Logistic Regression, Decision trees, Random Forest, and Feature Engineering

AWARDS

- Won 'Star Award 2022' for delivering outstanding solutions and solving complex technical customer challenges in a short period at Fractal Analytics
- Won 'Employee of the month' for October '20 and 'Employee of the Quarter' for Q4 FY 20-21 at Bewakoof Brands.