Shahab Akmal

Experienced data scientist and engineer with 5+ years building data products and machine learning models driving data insights at scale

EXPERIENCE

Shopify — *Data Engineer*
JAN 2023 - PRESENT

Part of Shopify's Core Data team, build and manage data analytics, reporting, and data infrastructures across Shopify's products

- Design, build, and optimized data architecture and ETL pipelines in both dbt and spark
- Design and productionize key data products using dimensional modeling techniques
- Optimize and fine-tuned SQL queries and database performance, resulting in a 60% improvement in query response time
- Conduct regular performance assessments and implement optimizations, resulting in a 20% reduction in data processing errors.
- Built scalable Flink streaming data pipelines for analytics use cases at scale of billions of events
- Collaborate with and influence stakeholders to ensure data products meets the evolving requirements and quality standards

Shopify — *Data Scientist*
JUN 2021 - DEC 2023

- Utilized data science techniques, including regression, survival analysis, segmentation, and experimentation, along with machine learning algorithms (as required), to drive actionable insights and inform strategic decisions
- Led cross-functional projects building scalable data products, ensuring timely delivery and alignment with business objectives
- Presented complex analytical findings to technical and non-technical audiences, facilitating data-driven decision-making across the organization.

Gale Partners — *Data Scientist*
SEP 2020 - JUN 2021

- Engineered multi-touch attribution models to enhance acquisition and cross-selling initiatives, leveraging both offline analytics and Google Ads Data Hub
- Analyzed marketing behaviors to uncover segments, trends, and opportunities, guiding strategic market positioning and refining digital marketing efforts for optimal performance.
- Collaborated with strategy teams to identify needs, recommend analytical methodologies and deploy analytics models across multiple platforms, including Google Cloud Platform and Amazon Web Services.
- Supervised and mentored members of the analytics team

Tangerine Bank — *Data Scientist*
OCT 2018 - SEP 2020

- Developed and implemented predictive models using machine learning algorithms, resulting in a 20% increase in accuracy over previous models
- Applied various machine learning techniques (e.g., regression, classification, clustering) to solve business problems, enhancing decision-making processes

SKILLS

Programming Languages

Python, Scala, SQL, Rust

Libraries & Frameworks

Spark, Scikit-Learn, Keras, Tensorflow, PyTorch, Flink, Beam

Tools & Platforms

Google Cloud Platform, Github, Airflow, dbt

EDUCATION

Master, Electrical Engineering
University of Waterloo

Bachelor, Nanotech Engineering
University of Waterloo

INTERESTS

Science Fiction Novels, Dungeons and Dragons, Bouldering, Running, Crossfit