

Aadish B. Rathore

Data Engineer | MAS (Data Science) | 6+ yrs Software Development Experience
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SUMMARY

Data Engineer with strong foundations in ETL pipelines, SQL, Python, and cloud data workflows, in addition to 6+ years of Frontend Developer experience. Skilled in building end-to-end data ingestion, transformation, and analytics pipelines using Python, Pandas, SQL, and AWS services. Experienced with data modeling, API-based data extraction, batch processing, and deploying production-grade backend systems. Holds a Master's in Data Science (GPA 3.6).

SKILLS

- **Frameworks:** Data Modeling, Exploratory Data Analysis (EDA), TensorFlow, PyTorch, Keras, NumPy, Pandas
- **Concepts:** Data Cleaning & Validation, Predictive Modeling, ETL Pipelines, Batch Processing, Workflow Orchestration
- **Tools:** Git, Python, AWS S3, Lambda, EC2, TypeScript, Airflow (basic), dbt (basic), Linux/ bash, SQL, PostgreSQL

INDEPENDENT PROJECTS

House Price Prediction

- Improved model accuracy by 12% over baseline with final R^2 score of 0.88.
- Designed and implemented workflow to extract, clean, and transform (ETL) housing dataset.
- Built and deployed end-to-end ML pipeline, including data preprocessing, model training, and evaluation.
- Deployed trained model as a RESTful API using Flask, integrated with a React frontend for real-time predictions.

Sentiment Analysis

- Deployed a model using Hugging Face API for real-time text classification, achieving 91% test accuracy.
- Built modular backend using NestJS and Prisma ORM, reducing model integration time by 40%.
- Implemented data cleaning, anomaly checks, and transformation using Pandas.
- Designed React-based UI with emoji feedback and real-time analytics logging, boosting user engagement metrics by 3X in internal testing.

PREVIOUS EMPLOYMENT

Frontend Engineer Contractor

TD Bank

July 2018 - October 2025

- Developed data-intensive app, focusing on end-to-end lifecycle of financial data from API consumption to UI serving thousands of daily users.
- Engineered a library of reusable, scalable UI components, reducing development time by 10%.
- Implemented REST API to display sensitive real-time financial data, ensuring high responsiveness and data accuracy.

EDUCATION

Master of Applied Science (Data Science), GPA: 3.6

Illinois Institute of Technology, Illinois, USA

December 2025

Bachelor of Technology (Software Engineering), GPA: 3.3

McMaster University, Ontario, Canada

December 2020