AKSHAY MANIYAMPARA

DATA SCIENTIST & ML ENGINEER

SKILLS

- **Languages** : Python , R, SQL, noSQL
- **Frameworks/Libraries** :
  NumPy,Pandas,Matplotlib,Seaborn,Scikit-learn,PyTorch
- **Tools** :PowerBI,Tableau,Excel,Mysql,Oracle RDBMS, MongoDb
- **Big Data Tools** : Apache Kafka, Spark, Cassandra, BigQuery
- **Machine Learning** : PyTorch, TensorFlow, LLP, NLP
- **Platforms** : VS Code, Jupyter Notebook

CONTACT

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📍 Thane, Maharashtra

🌐 https://akshay-analytics.vercel.app/

PROFILE

Data Scientist and ML Engineer with hands-on experience in building end-to-end machine learning pipelines — from data ingestion and preprocessing to model training, evaluation, and deployment. Skilled in Python, SQL, Scikit-learn, and data visualization tools. Passionate about turning raw data into insights, and deploying real-world predictive solutions.

EDUCATION

Currently pursuing
Bachelor 's in Data Science

Sies College of Arts, Science and Commerce | University Of Mumbai

Certifications
Google Business Intelligence

MY PROJECTS

Uber Trip Prediction

- Built a time-series forecasting pipeline to predict hourly Uber ride demand using XGBoost, Random Forest, and GBRT.
- Engineered temporal and lag-based features; optimized models with GridSearchCV and TimeSeriesSplit.
- Achieved 9.52% MAPE and 0.966 R^2 using a weighted ensemble, deployed via Flask API for real-time predictions.

Portfolio Backtesting Engine (SQL +Streamlit)

- Built a portfolio analytics system using PostgreSQL to calculate annual returns, volatility, and Sharpe ratio.
- Visualized results with Streamlit and deployed the dashboard using NeonDB and GitHub.

Website – Data Scientist & ML Engineer

- Built a website using React, Tailwind CSS, Framer Motion, Vercel
- Built a responsive and animated portfolio website to showcase ML projects, skills, and resume. Includes a dynamic intro screen, particle background, social/contact links, and auto-deployment via GitHub and Vercel.