

Seraj Eldeen Abdullah

Data Scientist

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SUMMARY

I'm Seraj Eldeen Abdullah Mohamed — a data scientist with a strong software engineering foundation. I combine clean engineering practices with deep analytical thinking to build scalable data pipelines, insightful analyses, and high-performance machine learning solutions. My focus is simple: turn complex data into clear, actionable business impact. If you need someone who understands both the code and the context, I'm ready to help you build what's next.

PROJECTS

Predict Health-Metrics ↗ 2025

- Built ML models to predict blood pressure (regression) and diabetes outcome (classification).
- Performed data cleaning, feature analysis, and visualizations using Python, Pandas, NumPy, and Seaborn.
- Trained and evaluated models with Scikit-learn, delivering key health insights and performance metrics.

Transportation Patterns Dashboard ↗ 2025

- Built a NYC transportation dashboard in Power BI, analyzing Uber and FHV trips, trends, and geographic patterns.
- Explored temporal and spatial mobility patterns, identifying peak-hour congestion, high-demand neighborhoods, and fleet inefficiencies.
- Delivered data-driven recommendations for optimizing driver allocation, fleet scheduling, and improving FHV competitiveness.

Customer Churn Dashboard ↗ 2025

- Developed a customer churn dashboard in Power BI, combining demographics, service usage, and churn reasons for interactive analysis.
- Identified key churn patterns, including high-risk age groups, states with elevated churn, and service-related issues driving customer loss.
- Delivered actionable recommendations to improve retention through targeted programs, service quality enhancements, and pricing strategies.

EDUCATION

University of Alexandria Egypt, Bachelor of Computer and data science

3. 4CGPA

SKILLS

Python, Pandas, Numpy, Matplot, Seaborn, Sklearn, SQL, PowerBI