

# Seraj Eldeen Abdullah

*Data Scientist*

✉ serajeldeen13@gmail.com ☎ 01273616603 📍 Alexandria, Egypt 🔗 SerajEldeen|Potfolio

🌐 Seraj Eldeen Abullah

## 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.

### Transportaion 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