

# Bishoy Samir *Data Scientist/ML Engineer*

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🛑 Postponed

🌐 <https://github.com/BishoSamir?tab=repositories>

📘 <https://www.facebook.com/profile.php?id=100087946260897>

in <https://www.linkedin.com/in/bishoy-samir>

## 🎓 Education

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2019 – 2023

**Bachelor's of Information Technology,**  
*Misr University for Science and Technology*  
Majored in Computer Science with a GPA of 3.77

## 👤 Summary

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A results-driven 4th-year CS student with a passion for data science, possessing hands-on experience in 5+ projects applying diverse data science concepts with PyTorch and ML algorithms with Scikit-Learn. I blog on AI/DS on my Facebook page focusing on theory and best practices in the field. Seeking a challenging data science role in a large enterprise to drive impact, learn, and collaborate with a talented team.

## 🧠 Skills

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### Deep Learning

PyTorch

### Machine Learning

NumPy, Pandas, Scikit-Learn

### Mathematics

Linear Algebra, Calculus, Probability, Statistics

### Data Visualization

Matplotlib, Seaborn, Plotly

### Web Scraping

BeautifulSoup

### Programming

Python, C++, JavaScript, SQL

### Backend

Fast API

### Tools

Jupyter, Google Colab, VSCode, Git/Github

## 📁 Projects

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### Developed a new Machine Learning Model, (Boosted NKNN)

Chained a Neural Network with a new variation of KNN using an improved version of boosting better than AdaBoost.

### Transaction Prediction, Transaction fraud detection using PyTorch.

Achieved 91.55% ROC with final architecture.

### Taxi Trip Duration Prediction, New York City Taxi Trip Duration Prediction.

Achieved final RMSLE of 0.44%.

### Exploring Jobs and Technologies, Finding the relationship between skills/technologies and job titles.

### Eye disease classification, Detecting Different eye diseases with ResNet18.

### Hourly Energy Consumption Prediction, Multivariate Time Series Problem.

## Courses

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### **Machine learning**

- Machine Intelligence (University of Waterloo)
- Machine learning (CM 763: Classification by Ali Ghodsi)
- Machine Learning (Statquest \ Andrew Ng)

### **Deep Learning**

- Andrew NG specialization (Coursera)
- Neural Network in Arabic (ML Scientist:Ahmed Fathi, Youtube)
- Articles (Medium, Towardsdatascience, Machinelearningmastery)
- Other Resources

### **Mathematics**

- Linear Algebra (Ahmed Fathy - Gilbert MIT)
- Calculus (AnaHr)
- Probability and Statistics (Khan Academy)

### **Data Analysis**

- Python Data Analysis & Visualization Masterclass (Udemy)
- Other courses (Youtube)

### **SQL**

- The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert (Udemy)
- mode.com

## Volunteering

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### **CPC MUST, Problem Solving Coach**

- Holding sessions on various topics in competitive programming.
- Formulating session content.
- Preparing solutions for weekly problem sheet.

## Awards

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### **2nd place, ECPC**

2020 ECPC Qualification Contest for MUST University

### **Top 10 Finalist, Dell Hackathon 2023**

Placed in the top 10 teams out of over 250 teams in the 2023 Dell Hackathon.