



# SAMIR EMAD LABIB

## ASSISTANT LECTURER PHD RESEARCHER

Business Information Systems • Data Mining  
Artificial Intelligence • Data Analytics  
Database Systems • Business Intelligence

### CONTACT

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New Cairo, Egypt  
LinkedIn: Available upon request

### EDUCATION

- PhD Researcher in Business Information Systems  
Helwan University, Egypt  
Registered: 2024
- Pre-Doctoral Qualifying Program  
Helwan University, Egypt  
2022
- Master of Science in Computer and Information Systems  
Faculty of Administrative Sciences  
Sadat Academy for Management Sciences  
2021
- Bachelor of Computer and Information Systems  
(Year not specified)

### RESEARCH INTERESTS

- Artificial Intelligence
- Machine Learning
- Data Mining
- Data Analytics
- Business Intelligence
- Big Data
- Decision Support Systems
- Recommendation Systems
- Healthcare Informatics
- Predictive Analytics
- Optimization Algorithms

### TECHNICAL SKILLS

#### PROGRAMMING LANGUAGES

Python  
Java  
C++  
SQL / PL-SQL

#### DATABASE TECHNOLOGIES

Oracle Database  
SQL Server  
MySQL

#### DATA SCIENCE & ANALYTICS

Pandas, NumPy  
Scikit-learn  
Data Visualization

#### BUSINESS INTELLIGENCE

Power BI  
Dashboard Design  
Data Modeling

#### TOOLS & PLATFORMS

Jupyter Notebook  
Google Colab  
VS Code  
Oracle SQL Developer

### PROFESSIONAL SUMMARY

Dedicated academic professional and researcher with over 12 years of teaching and training experience in higher education. Specialized in Business Information Systems, Data Mining, Artificial Intelligence, Data Analytics, and Database Systems. Experienced in delivering undergraduate courses, designing curricula, supervising student projects, and conducting impactful research. Passionate about developing intelligent decision-support systems and data-driven solutions that create real impact in business and healthcare.

### KEY COMPETENCIES

- University Teaching & Curriculum Development
- Scientific Research & Academic Writing
- Data Analysis & Predictive Modeling
- Database Design & Management
- Business Intelligence & Dashboarding
- Supervising & Mentoring Students
- Professional Training & Workshop Delivery
- Effective Communication & Presentation
- Problem Solving & Critical Thinking
- Teamwork & Leadership

### PROFESSIONAL HIGHLIGHTS

- Over 12 years of academic and teaching experience in higher education.
- Delivered professional training programs to university students and professionals.
- Published research in national peer-reviewed journals.
- Strong background in research methodology and data-driven decision making.
- Committed to academic excellence, innovation, and continuous development.



#### SCAN TO VIEW

- LinkedIn Profile
- Google Scholar
- ResearchGate

### ACADEMIC EXPERIENCE

- Assistant Lecturer** 2021 – Present  
*The High Institute of Computer Science and Information Systems, New Cairo, Egypt*
- Delivering undergraduate courses in information systems and computer science.
  - Supervising graduation projects and guiding students in research and development.
  - Designing course materials, assessments, and learning resources.
  - Conducting scientific research and publishing in reputable journals.
  - Participating in curriculum development and academic committees.
  - Engaging in academic advising and student mentoring.

- Teaching Assistant** 2013 – 2021  
*The High Institute of Computer Science and Information Systems, New Cairo, Egypt*
- Assisted in delivering lectures and practical sessions.
  - Prepared course materials and laboratory exercises.
  - Supported faculty members in academic and administrative tasks.
  - Supervised tutorials, assignments, and student activities.

### COURSES TAUGHT

- Database Systems
- Database Applications
- Computer Applications in Programming
- Infrastructure of Information Technology
- Information Systems Analysis and Design
- Programming Using C++
- Enterprise Information Systems
- Electronic Business
- Business Analytics
- Big Data Analytics

### PROFESSIONAL TRAINING EXPERIENCE

Delivered instructor-led training programs and workshops in:



### RESEARCH & PUBLICATIONS

- Prediction Model for Risk Factors of Childhood Leukemia Based on Data Mining Classification Algorithms  
*Egyptian Computer Science Journal*, Vol. 44, Issue 2, pp. 51, 2020.
- A Proposed Data Analysis Model to Optimize the Selection Product Process Based on User Personalized Preferences  
*Scientific Journal of Commercial Research and Studies*  
(مجلة البحوث والدراسات التجارية)  
Helwan University, Vol. 39, Issue 3, 2025.

### CERTIFICATIONS & TRAININGS

- Oracle Database
- SQL Programming
- Python Programming
- Java Programming
- Data Analysis
- Microsoft Power BI
- Data Science Fundamentals
- Database Management Systems

### LANGUAGES

Arabic Native | English Professional Working Proficiency

### ACHIEVEMENTS & ACTIVITIES

- Published research in national peer-reviewed journals.
- Delivered professional training programs to university students and professionals.
- Active member in academic committees and curriculum development activities.
- Committed to academic excellence, innovation, and lifelong learning.