

## **Wesam Ahmed Abd-Elsamie El-Baz**

Mansoura , Egypt

(050) 2071794 , (+2)01060734020

Wesam.elbaz@fcih.svu.edu.eg

wesamahmed929@gmail.com

### **Education**

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2006-2010	<b>Mansoura University</b>	BS	IS
2012-2017	<b>Mansoura University</b>	MS	IT
2021– to present	<b>Menoufia University</b>	PHD	IT

### **Areas of Expertise**

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- Web Design
- Web Development
- Digital Image Processing
- Data Analysis
- Data Visualization
- Data Science
- Machine Learning
- Deep Learning

### **Employment**

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- Web designer in E-learning unit of Faculty of Science in Mansoura University.
  - Web designer in Information Center of Mansoura University.
  - Teaching assistant in faculty of Computers and Artificial intelligence in South Valley University (Hurghada).
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## **Additional Technology Experience**

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- Published three papers in (Enhancement of Image Compression Techniques) field.
- I taught many Courses such as Statistics, Probability, Computer Science Fundamentals, Discrete math and Operations research.

## **Internships:**

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- Aflak masr Company.
- It share Company .
- Online Courses on (Edx – Coursera – Lynda – Udemy - Udacity).

## **Languages**

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- Arabic: Native language.
- English: very good - (Local Toefl).

## **Hard and Soft Skills:**

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- Programming Logic
- Data Structure
- Communication
- Creativity
- Problem Solving
- Excellent command of social perception skills to understand when students are having issues.
- Ability to select and develop a variety of learning strategies in order to provide education to students with a range of abilities in the sections.

## **FLDP Courses:**

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- Stress Management. (Cairo University)
- International Publishing Of Scientific Research. (Cairo University)
- System of Credits . (Mansoura University)
- Ethics of Scientific Research. (Mansoura University)

## Technical Skills

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### Operating systems:

- Windows XP / Vista / 7 / 10 / Linux

### Programming Languages:

- C#(web application)
- Python - Data structures and Algorithms in Python
- Javascript ( JQuery)
- Matlab

### Web Programming Languages:

- Html / Html5
- Css / Css3
- Sass
- Bootstrap
- Xml

### Modeling Techniques:

- Uml

### Graphic Skills:

- Adobe Photoshop
- Adobe flash
- Dreamwaver

### Version Control :

- Git / Github

**Database:**

- SQL / PostgreSQL

**Mathematics:**

- Statistics
- Probability
- Calculus
- Linear Algebra

**Data analysis:**

- Numpy
- Pandas
- SQL
- EXCEL

**Data visualization:**

- Matplotlib
- Tableau
- Plotly
- Seaborn
- Geoplotlib

**Machine Learning:**

- scikit-learn
- Optimization

**Deep Learning:**

- Keras
- Tensorflow