Engy Ehab Saad

linkedin.com/in/engyehab | +201092916685 | enjyehab@aast.edu

Education

- **M.Sc. Computer Science** **12/2021 - 01/2025**
  Arab Academy for Science Technology and Maritime Transport
  GPA: 4.0
- **B.Sc. Computer Science** **09/2016 - 06/2020**
  Major: Computer Science - **Minor**: Multimedia and Computer Graphics
  Arab Academy for Science Technology and Maritime Transport
  GPA: 3.72 – **Grade**: Excellent with Honors
  Graduation Project: Mobile Enabled Plant Disease Detection & Sensor System for Agricultural Application

Skills

- **Technical Skills**

  Languages: Python, Java, C/C++, C#, R.

  Tools and Frameworks: Tensorflow, OpenCV, Pytorch, Matlab, NumPy, Matplotlip, Arena.

- **Good Knowledge of**

  Neural Networks, Machine Learning, Image Processing, Natural Language Processing, Medical Imaging, Multimodal Data.

- **Languages**

  Arabic and English.

Experience

- **Teaching Assistant (Full-Time)** **09/2020 - Present**
  College of Computing and Information Technology – Arab Academy for Science, Technology and Maritime Transport (AAST)
- **Teaching Assistant (Part-Time)** **09/2021 - 10/2022**
  Faculty of Science – Computer Science and Multimedia Department – Alexandria University
- **Trainee** **09/2019 - 12/2019**
  Information and Documentation Center – Arab Academy for Science, Technology and Maritime Transport (AAST)

Courses Taught

- Introduction to Artificial Intelligence
- Advanced Artificial Intelligence
- Digital Image Processing
- System Modeling and Simulation
- Object Oriented Programming
- Theory of Computation
- Computing Algorithms
- Structure of Programming Languages
- Computers and Society
- Introduction to Problem Solving and Programming
- Introduction to Computers
- Multimedia Information Systems
- Video Database
- Operating Systems

Publications

- The 9th International Conference on Advanced Technology and Applied Sciences (ICATAS 2024)" **Malaysia** - **10/2024**

  "Tri-FND: Multimodal Fake News Detection Using Triplet Transformer Models " (Accepted)

  DOI :https://doi.org/10.37934/araset.63.1.255270

  E. Ehab, N. Belal, and Y. Omar, “Tri-FND: Multimodal Fake News Detection Using Triplet Transformer Models”, *J. Adv. Res. Appl. Sci. Eng. Tech.*, vol. 63, no. 1, pp. 255–270, Mar. 2025.

Projects

- **Multimodal Fake News Detection**
  Leveraging transformer-based models and CLIP for visual-textual fake news identification in English and Chinese datasets.
- **Multimodal Sentiment Analysis**
  Analyzing sentiment using text, images, and audio for better context understanding.
- **Mobile Enabled Plant Disease Detection & Sensor System for Agricultural Application**
  Smart agriculture solution integrating deep learning and IoT for disease detection.
- **Breast Cancer Detection**
  AI-driven diagnostic system using ConvNext and Transformer models for early detection.
- **Deep Learning-based COVID-19 Detection from Chest Imaging**
  Automated COVID-19 diagnosis using deep learning on medical images.
- **While Blood Cells Classification System for Leukemia**
  Deep learning-based leukemia detection using image processing and segmentation techniques.
- **Distributed Chat Application**
  Real-time, scalable, and secure communication platform using Java RMI.

Academic Training

- Educational Preparation Course for Graduate Teaching Assistants and Lecturers at Arab Academy for Science, Technology and Maritime Transport
- Writing Research Papers at the Arab Academy for Science, Technology, and Maritime Transport
- Artificial Intelligence-based Management System for Education Quality Standards (AIMS) Arab Academy for Science, Technology and Maritime Transport
- International Publication at Arab Academy for Science, Technology and Maritime Transport

Extracurricular activities

- **HR member – Enactus AAST Alexandria** **10/2018 - 02/2019**

  Participated as a human resources member in hiring students according to the club's bylaws.