Samy Mostafa Shaawat

📱 +20 109 153 9396 | ✉ samy.shaawat@gmail.com | 🔗 My LinkedIn | 🐙 My GitHub | 📍 Alexandria, Egypt

EDUCATION

Egypt-Japan University of Science and Technology (E-JUST) — Alexandria, Egypt
*B.Sc. in Computer Science and Engineering, Faculty of Engineering | **GPA: 3.02** / **4.00*** — *Sep 2019 – Feb 2024*

WORK EXPERIENCE

Frontend Developer Intern | *Certification* — Alexandria, Egypt
NTI - National Telecommunication Institute — *Oct 2023 – Nov 2023, Internship*
- Worked with HTML, CSS, and JavaScript, doing tasks on making web pages that adjust well to different devices.
- Practiced with HTML5, CSS3, and Bootstrap through practical tasks to make web pages more interactive and user-friendly.

Machine Learning Intern | *Certification* — Alexandria, Egypt
*Summer Training - Under Supervision of **Prof. Marwan Torki*** — *Jul 2023 – Sep 2023, Internship*
- Finished all five courses of **Deep Learning Specialization by Coursera.**
- Successfully completed the Ultrasound Nerve Segmentation competition on Kaggle,The task was to identify nerve structures in ultrasound images of the neck.

Software Engineer Intern | *Certification* — Alexandria, Egypt
Smart System - IT Company — *Jul 2022 – Sep 2022, Internship*
- Trained on installation, implementation and design ERD on IBM Cognos Framework Manager and learned how to use IBM Maximo - Enterprise Asset Management (EAM), and also trained on **IBM Cognos Analytics 11.0** for data modeling and SQL-based queries.
- Collaborated with the team on analytics reports for the Holding Company of Water and Wastewater (HCWW) project

RESEARCH EXPERIENCE

Network Analysis of Reddit for Egyptian Community | *GitHub* | *Paper*
ICINCO 2023, Rome, Italy — *Nov 2023*
- Conducted a comprehensive network analysis of the Egyptian Reddit community, examining 23,185 users and 105 subreddits using NetworkX and Graphml.
- Employed advanced techniques for network visualization and analysis, including degree, centrality, clustering coefficients, density, and both static and dynamic community discovery. Collaborated with colleagues **Adham Hammad, Karim Farhat, Mina Thabet**, and under the guidance of **Prof. Walid Gomaa.**

PROJECTS

Graduation Project: URL Phishing Detection Using LLaMA 2 | *GitHub* — Feb 2024
Python - Transformers - LLaMA -Flask
- Developed a deep learning model utilizing LLaMA-2 for URL phishing detection, achieving up to **98.2%** accuracy in distinguishing between phishing and legitimate URLs.
- Developed a Flask-based RESTful API that utilizes the trained LLaMA-2 model for URL phishing detection. This API provides endpoints for real-time URL classification, model loading, URL request handling, and determining whether a link is phishing or not. This implementation facilitates seamless integration into cybersecurity systems.

Toys Shop Website | *GitHub* — Jan 2023
React - NodeJs - MySQL - ExpressJs - Sequelize
- Developed user authentication and product search features, allowing users to register, log in, and search for products by name, brand, and price.
- Implemented product filtering, detailed product display, shopping cart management, and the ability to add new products with image upload to enhance the overall e-commerce experience.

Pharmacy Management System | *GitHub* — Sep 2022
Python - Tkinter - Sqlite - Pandas
- Developed a user-friendly desktop pharmacy inventory management application using Python and Tkinter for the graphical user interface.
- Implemented features such as adding/updating items, searching by name or company, and data import/export to Excel files, enhancing pharmacy operations efficiency.

Skills

Technical Skills: C, C++, Python, JavaScript, NodeJS, HTML, CSS, Bootstrap, SQL, Git, IBM Cognos Analytics
Personal Skills: Leadership Skills, Coordinator, Organizer, Problem Solving, Decision-maker, Flexible, Research Author
Languages: Arabic (Native), English (Intermediate)

Achievements

- Deep Learning Specialization ,Coursera, Sep 2023

- Business Intelligence Analyst 2022 - **Mastery Award**, IBM Skills Academy, Aug 2022

- Business Intelligence Analyst 2022 - **Explorer Award** , IBM Skills Academy, Jul 2022

- Web Development Challenger Track , Udacity , Jun 2022

Volunteering Work and Contests

Organizer and Coordinator (2020 − 2022)

- Lead Event Organizer, TEDx, E-JUST (2022)

- Organizer, Ana Fani, Bibliotheca Alexandrina (2021)

- Organizer, Operations Team, E-JUST (From 2020 To 2022)

- Coordinator, Model of Companies Simulation (MCS), AAST (2020)

Mentor , IEEE E-JUST Student Branch (2022)
Contestant , ECPC, AAST (2021 and 2022)