

# Samy Mostafa Shaawat

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## EDUCATION

**Egypt-Japan University of Science and Technology (E-JUST)**  
*B.Sc. in Computer Science and Engineering; Faculty of Engineering | GPA: 3.04*

Alexandria, Egypt  
Sep 2019 – Mar 2024

## WORK EXPERIENCE

### Front-end Developer Intern

*NTI - National Telecommunication Institute*

Alexandria, Egypt  
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

*Summer Training - Under Supervision of Dr. Marwan Torki*

Alexandria, Egypt  
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

*Smart System - IT Company*

Alexandria, Egypt  
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](#) | [The 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

### 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

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- 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

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### **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)**