

Seif Mohamed Maghraby

saif.al.eslam.mohamed@gmail.com

00201010397215

[LinkedIn](#) | [Github](#) | [Kaggle](#) | [Youtube](#)

EXPERIENCE

- **Machine Learning Engineer, Freelance** (April 2021 - present)
 - Working with startups to combine my experiences between entrepreneurship, data science, and artificial intelligence in finding software solutions based on artificial intelligence and GenAI.
 - Working with organizations and individuals in fields of data science, machine learning, deep learning, computer vision and GenAI
- **Business Developer intern @Plstka**(Augst 2023 - October 2023)
 - In this internship, we learn and work in three aspects [Business - Finance - Entrepreneurship Business]
 - working with Plstak team in their business model and developing on it
- **R&D Machine learning engineer @Dawana** (April 2021 - March 2023)
 - Doing research in the field of artificial intelligence and pharmaceutical healthcare
 - Applying algorithms based on machine learning, image analysis, image processing, computer vision, and deep learning techniques to build intelligent skincare and healthcare tools in 4 different areas to increase the company's efficiency by 80% in providing practical solutions to customers.
- **Founder & Team Lead @Motus** (August 2021 - October 2022)
 - Developed a System to restore paralyzed upper limb movement using brain signals.
 - Build Machine learning pipeline to deal with brain signals and classify it to movement.
 - Leading and managing team with 10 members.
 - participated in many competitions with my graduation project and won:
 - 1st place in **Rally Egypt** ([announcement](#))
 - 2nd place in **Egypt IoT and AI** — finals in **Arab IoT and AI** ([post](#))
 - **Top 2** startups in the **TIEC TEA19 Accelerator program**
 - 7th place in **Dell Technologies** Envision the Future Competition in the Middle, East, Russia, Africa, and Turkey region

EDUCATION

- **Pre-Master's degree in Computer Science** (2022 - 2023)
Mansoura University, Faculty of Computer and Information
 - **Bachelor's degree in Computer Science and Artificial Intelligence** (2018 - 2022)
Mansoura University, Faculty of Computer and Information
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TRAINING & SCHOLARSHIPS

- **Trainee at TIEC TEA19 Accelerator program** (December 2021 - January 2022).
Startup pre-incubation program that supports early-stage, growth-driven companies through education and mentorship.
- **Deep Learning Nanodegree** (August 2021 - December 2021).
I studied cutting-edge topics such as neural networks, convolutional neural networks, recurrent neural networks, and generative adversarial networks.
- **Computer vision Nanodegree** (January 2021 - March 2021).
I Learned cutting-edge computer vision and deep learning techniques—from basic image processing, to building and customizing convolutional neural networks. Apply these concepts to vision tasks such as automatic image captioning and object tracking.

- **Advanced-Data Analysis scholarship** (August 2020 - October 2020).
I learned how to manipulate and prepare data for analysis, and create visualizations for data exploration. and learned how to use the data skills to tell a story with data.
 - **Artificial Intelligence Analyst 2020- IBM** (September 2020 - October 2020).
applying machine learning algorithms and building AI solutions by using IBM Watson. Covered topics as AI, (NLP), chatbots, computer vision, Watson Studio, Watson Machine Learning, AutoAI, Watson Assistant, Discovery, Natural Language Understanding, Knowledge Studio, and Visual Recognition.
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TECHNICAL SKILLS

- **Programming languages:** Good in Python, SQL familiar with C# and C++.
 - **Data Science:** Experienced in Data Analysis, Data Manipulation, Data Preparation, and Data Visualization.
 - **Machine Learning:** Regression, Classification, Clustering, Optimization, and Recommendation Systems.
 - **Deep Learning:** Neural Networks, Convolutional Neural Networks (CNNs), (RNNs), LSTMs, Transfer Learning, and Transformers
 - **Computer Vision:** Image and Video Processing, Recognition, and Classification (Object Detection, Segmentation, and Tracking.
 - **Generative AI:** Dealing with LLMs, Langchain, Hugging Face, Stable diffusion, and Streamlit
 - **Open-source and Python Frameworks:** Good in Pytorch, Keras, and OpenCV, Familiar with AWS.
 - **Soft Skills:** Public speaking, presentation and pitching skills, negotiation and effective communication
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VOLUNTEERING EXPERIENCE

- **CAT Reloaded**
Data Science Circle Vice leader and PR member (August 2019 - October 2021)
 - Taught the students Data science and machine learning with mentoring and sessions I did.
- **CIS Team**
Data Science Squad Mentor, Head PR (August 2019 - October 2021)
 - Communication with companies and speakers to attend and fund events.
 - Teaching the students Data science and machine learning.
- **IEEE Mansoura Student Branch**
 - Marketing Volunteer (January 2021 - October 2021)