Baraa Wael Abu Sallout
Software & Machine Learning Engineer

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Summary

I am a Software Engineer and Machine Learning Engineer, fully proficient in Python and C++ with a problem-solving mindset, and I have good experience in NLP, computer vision, machine learning, and data science.

Always enthusiastic to develop myself in data analysis and development of artificial intelligence and data science projects for use in real life by seeking internships in specialized and successful companies.

Education

- **Computer Engineering (Master's degree)** (Jan , 2022 – Jan, 2024)
  University: Islamic University at Gaza   **Faculty:** Engineering

- **Computer Engineering (Bachelor's degree)** (July, 2016 – Jan, 2021)
  University: Islamic University at Gaza   **Faculty:** Engineering

Experience

- ❖ **Software Engineer (**March, 2021 – Till Now)
  Deep Coder Company - Gaza
  Job description:

  - Writing codes and editing and analyzing other's codes to improve performance with c#, python, c++ according client requirements.

  - Developing C# .NET solutions (frontend and backend projects) for the organization and providing technical support to stakeholders in the organization.

  - Participated in agile development of project timelines, implemented design specifications, system flow diagrams, documentation, testing and ongoing support of systems.

- ❖ **Machine Learning Engineer** (June, 2020 – Till Now)
  Upwork and Freelancer Site
  Job description:
  - Designed experiments for evaluating the performance of different machine learning models on specific datasets with Python's scikit-learn library.
  - Created an automated system that monitored and analysed data from multiple sources, including social media.
  - Developed a machine learning algorithm using convolutional neural networks to classify each facial image into one of the seven facial emotion categories.
  - Developed a machine learning algorithm to predict the probability of fraudulent transactions.
  - Presented findings from data analysis in a clear and concise manner to non-technical staff and senior management.

❖ **Python Trainer** (December 1ᵗʰ, 2020 – February 23ᵗʰ, 2021)
Future Pioneers Canter
Job description:
  Certified trainer at the Future Pioneers Canter to teach Python to university students and programming enthusiasts.

❖ **Gaza Sky Geeks - Mercy Corps**
➢ **Artificial Intelligence Co-Mentor (August, 2021 – November, 2021)**
Job description:
Supervising the training of junior AI developers to develop them to be ready to work in freelance sites through the DataCamp site and professional developers with artificial intelligence from Netflix and others.
➢ **Artificial Intelligence Trainer (July, 2021 – August, 2021)**
Job description:
(Course 20 hour) Training female students who have completed high school in the Banat Geeks program on artificial intelligence, and during the course they were given an overview of the applications of artificial intelligence and how to apply them in practical life and the opportunities available in the Palestinian market.

Skills

❖ **Programming Languages:** Python, C++, C#, SQL, MATLAB.

❖ **Machine Learning Frameworks**: Pytorch, Tensorflow, Keras.

❖ **ML tools and libraries:** OpenCV, Scikit-learn, NumPy, Jupyter, Matplotlib, Seaborn.

❖ **Data Management :** Database Design, Exploratory Data Analysis, Data Warehousing, Feature Engineering

❖ **Machine Learning** : Regression, Classification, CART, Clustering, Boosting, CNN.

❖ **Proficient in machine learning and deep learning skills for multiple applications including Computer Vision and Natural Language Processing.**

❖ **Ability to understand and implement machine learning research papers.**

❖ **Strong problem solving and debugging/troubleshooting skills.**

❖ **Excellent communication and organisation skills.**

Certifications and Courses

❖ **Python Bootcamp 2020** - Udemy
Issued Apr 2020 · No Expiration Date
❖ **SQL + Tableau + Python** - 365 Data Science
Issued Apr 2020 · No Expiration Date
❖ **Machine Learning Nanodegree** - Udemy
Issued Apr 2020 · No Expiration Date
❖ **Customer Analytics in Python** - 365 Data Science
Issued Apr 2020 · No Expiration Date
❖ **Neural Networks and Deep Learning** - Coursera
Issued Sep 2020 · No Expiration Date

Languages   **English:** Conversational**, Arabic:** Native