Mostafa Samy, BSc, MSc

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EXPERIENCE

AI & DS Engineer (Junior)   **(**On-Site) *Jul 2022 – Present*
- Design End-to-End projects, starting from collecting Data, ending with Deploying the models. Following the Data pipeline approach. Working on Natural Language Processing, Computer Vision, and Speech processing projects.
Tools & Technologies: Python, Jupyter Notebooks

Data Science Internship at TechnoColabs Softwares   **(**Remotely) *Sep 2021– Oct 2021*
- Startups are the motor that moves our economy, so it's important to know what makes the startups succeed. Based on the financial statistics of the startup we can predict whether it will succeed or not, as this is important for the ventures.
Tools & Technologies: Python, Jupyter Notebooks, Heroku(Flask)

EDUCATION

Ain Shams University, Computer Science and Information Technology   Cairo, Egypt
Bachelor of Computer Science Scientific Computing department   *(2016-2020)*

Ain Shams University, Computer Science and Information Technology   Cairo, Egypt
Pursuing Master Degree at Scientific Computing department   *(2021- expected 2024)*

PROJECTS

Twitter Sentiment Analysis (Github)
- Application for Sentiment analysis on Twitter, determines whether the tweet is Positive, Negative or Neutral to track user opinions, which benefits companies to enhance their performance. **Tools and Technologies**: *Python, Google Colab.*

Movies Recommendation Systems (Github)
- Application uses Collaborative and Content filters to suggest the users movies to watch based on their preferences. **Tools and Technologies**: *Python, Google Colab.*

Optical Character Recognition (Github)
- Application digitizing a noisy document image into its constituent character. **Tools and Technologies**: Python, PyCharm, Tesseract.

Document Skew Detection (Github)
- Application detects the skew angle in scanned text documents. **Tools and Technologies**: *Python, Google Colab.*

Predicting Startup's Acquisition Status (Github)
- Building algorithms to merge, manage, and extract data to predict startup's acquisition status, also getting insights from data through visualization techniques. Use machine learning tools and statistical techniques to produce solutions. **Tools and Technologies**: *Python, Jupyter Notebook, Flask (Heroku)*

SKILLS

- **Data Science, Machine Learning, Deep Learning, Data Warehouse, Agile.**
- **Data Structures, Object Oriented Programming, Algorithms, ETL.**
- **Python, C++, C#, C, SQL,Oracle, Colab, Jupyter Notebook, PyCharm, Tableau/PowerBI, Visual Studio.**

CERTIFICATES AND ACHIEVEMENTS

- **1st place at Neural Network Competition.**
Local competition on kaggle for distinguishing between indoor scenes.

- **3rd place at Machine Learning Competition.**
The project predicts success of mobile games using Regression and Classification techniques.

- **Top 5% in 30 days of Machine Learning competition on Kaggle.**
The use of Regression techniques on dataset deals with predicting the amount of an insurance claim.
- **Summer course with Tactful digital assistants**
Building Arabic conversational bots with NLP and Node.js

EXTRA CURRICULAR AND COMMUNITY INVOLVEMENT

- **Co-founder of Humans of FCIS Facebook page.**
  Interviewing people who are concerned with the field of Computer Science, find and document their inspirational stories.
- **Student Research at iHub for Science and Technology**
  With the use of Arduino technology, we have made a car with distance sensors preventing it from hitting then changing its direction from the facing body, and also has a temperature sensor.