

Mohamed Bakrey Mahmoud

Contacts: (+20) 1014623377 – mohamedbakrey094@gmail.com – 6th of October-Egypt.

Career Objective

Highly experienced Data Scientist with 1 Years of Experience, seeking a great opportunity to fulfill my passion, sharpen my skills and gain hands-on experience in the field of Data Science and Machine learning.

Education

2019– Present Final year student .Bachelor of Computer Science (BSc), High Institute of Computer Science - 6th October City, Egypt.

Skills and Experience

Technical Skills

- Python Libraries (numpy,sklearn,...)
- Machine Learning / Deep Learning Concepts
- ML Frameworks (keras,tensorflow,pytorch)
- FastAPI
- Image Processing/opencv
- SQL
- Natural Language Processing
- GIT / familiar in Azure
- Mathematical and Statistical Skills
- OOP / Design Patterns
- Data Structure / Algorithms

- Data Visualization
- Jupyter notebooks & Spyder tools
- Data Scrapping

Soft Skills

- Fast Learner
- Responsible team member
- Keen attention to details and meeting deadlines
- Can work in a fast-paced environment
- Languages :
 - ArabicMother Tongue
 - English Very Good

Work Experience :

- October 2022- September2022: **Data science intern** at CodeClause.

My Tasks : I implemented machine learning algorithms in sales data and created a ChatBot for CodeClause using Natural Language Processing. I also made a model for Fraud Detection. [Link](#)

- June 2020 - Present : **Data Scientist** Master on Kaggle

My Tasks I have many projects in the field of data science there I have experience in Computer Vision Field also I worked on NLP projects.

Projects

- Spelling mistake Detection and Correction (NLP): Using python, NLP classical approach and Deep Learning.
- RSNA Bone Age (Pattern Recognition): Using KNN, SVM and CNN techniques , python.
- Digit Recognition : Using python, KNN, Logistic Regression, Decision Tree.
- Churn Prediction : Using python, Analysis, Visualization, knn, svm, neural network, logistic regression.
- Weed / Crop Detection : Using python, Image Processing, Feature Reduction, Gradient Boosting Classifier, sklearn, opencv.
- Web Scraping (Image Dataset Collection and cleaning): Using requests, Skimage, pandas, matplotlib.
- Object Detection and Classification : Data Collection and Cleaning also using customized pretrained model yolo version 3 / 4, then cropping the object to make classification through vgg pretrained model using transfer learning.

Publications

- **6/2022** Hammad, M., Bakrey, M., Bakhiet, A., Tadeusiewicz, R., Abd El-Latif, A. A., & Pławiak, P. (2022). A novel end-to-end deep learning approach for cancer detection based on microscopic medical images. *Biocybernetics and Biomedical Engineering*. [Link](#)
- **9/2022** Nevin Hammam¹, Mohamed Bakrey Mahmoud², Aly Bakhiet³, Rasha El Owaidey⁴, Hend Abdel Nabii⁵, Ahmed M Elsaman⁶, Iman Khalifa⁷, Abeer M NourEl-Din⁸, Rawhya R ElShereef⁹, Eman Hassan¹⁰, Faten Ismail⁹, Iman I El-Gazzar¹¹, Abdelhafeez Moshirif¹², Noha M Khalil¹³, Marwa A Amer¹⁴, Hanan M Fathy¹⁵, Nancy Abdel Salam¹⁵, Samar Tharwat¹⁶, Mervat I Abd Elazeem¹⁷, Hanan M Fathi¹⁸ and Tamer A Gheita [Link](#)
- **9/2022** Tamer A Gheita¹, Ahmed M Elsaman², Aly Bakhiet³, Mohamed Bakrey Mahmoud⁴, Faten Ismail⁵, Hanan El Saadany⁶, Rawhya R ElShereef⁵, Eman F Mohamed⁷, Mervat I Abd Elazeem⁸, Ayman Eid⁸, Fatma Alis, Mona Hamdy⁵, Reem El Mallah⁹, Reem HA Mohammed¹, Samar Tharwat¹⁰, Rania M Gamal¹¹, Samar Fawzy¹, Soha Senara¹², Hanan M Fathi¹², Adham Aboul Fotouh¹³ and Nevin Hammam¹⁴ [Link](#)

Articles

- 6/2022 An article on The Most Comprehensive Guide On Explainable AI - explains this technique with a practical application on the Analytics Vidhya website [Link](#)
- Medium [Link](#)
- 3/ 2022 It publishes news that talks about artificial intelligence and the ways it takes you to be good enough in this field. [Link](#)

Awards and Honours

- 12/2021 Smart maker competition in india [Link](#)

Courses and Training

- [Machine Learning from Basic to Advanced](#)
- [Deep Learning with tensor flow and R](#)
- [TensorFlow 2 for Deep Learning Specialization Certificate](#)
- [IBM Machine Learning Specialization Certificate](#)
- [IBM Data Science Specialization Certificate](#)

Profile

- Kaggle: <https://www.kaggle.com/mohamedbakrey>
- GitHub: <https://github.com/mohamedbakrey12>
- Linked In: <https://www.linkedin.com/in/mohamed-bakrey-2aba281b2>