Yassin Abdulmahdi

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Linkedin Github Portfolio Kaggle medium
Behance Codeforces

Profile

Enthusiastic Information Technology Engineering student with a keen interest and expertise in Data Science and Machine Learning. Proven proficiency in Python, coupled with a strong foundation in AI, computer vision, and NLP. Committed to applying innovative solutions to real-world challenges. Actively seeking opportunities to contribute to cutting-edge projects and apply my skills in a dynamic environment.

Professional Experience

Data Science Intern at SHAI For AI Feb 2023 – present

- The Data Science Trainee responsible for: data collection, cleaning and preparation, Building and testing predictive models, Developing data visualizations to communicate insights, Staying up-to-date with the latest advancements in data science and machine learning.

Junior Data Scientist May 2023 – present

- Contributed as a volunteer in the Omdena Ile-de-France Chapter, actively involved in the development of Conversational AI Chatbot for Alternative Transportation during strikes in France. Responsibilities included designing and implementing machine learning solutions to enhance communication and accessibility during transportation disruptions., **(Final report)** .
- Contributed as a volunteer in the Omdena Toronto Chapter, focusing on the "Analyzing Brain Scan Images for the Early Detection and Diagnosis of Alzheimer's Disease" project.

Research Intern at In1Minute Oct 2022 – Nov 2022

- I seized the opportunity to engage with and glean insights from a diverse cohort of fellow participants. This enriching experience involved collaborative efforts with professionals from various backgrounds, fostering an exchange of ideas and perspectives that has significantly contributed to my personal and professional growth.

Kaggle Notebooks Master

- Demonstrated expertise in data science and machine learning through Kaggle competitions and projects.
- Actively engaged with the Kaggle community, sharing insights, collaborating with peers, and contributing to discussions on best practices and innovative techniques.

Education

Bachelor of Science in Information Technology Engineering, *Damascus University* Sep 2019 – present

- Relevant Coursework: Computer vision, NLP, Machine Learning, Data Structures, Algorithms, Software Engineering.

Skills

Python | Machine learning | Deep Learning | Neural Networks | OpenCV | NLP | C++

TensorFlow | Flutter | Data Structures | Algorithms | Git | Problem solving | Firebase

Awards

ICPC - International Collegiate Programming Contest

- Ranked 19th in the 2022 Damascus University Collegiate Programming Contest.
- Ranked 12th in the 2021 Al-Baath University Collegiate Programming Contest.
- 146th place among more than 400 participating teams in The 2021 ACPC Kick off Online Individual Contest.
- 232th place among more than 400 participating teams in The 2020 ACPC Kick off Online Individual Contest.

ICPCOD

Personal projects

jigsaw genius
This App is a sophisticated application designed to tackle jigsaw and grid puzzles using cutting-edge computer vision technology. It offers an intuitive and interactive experience, enabling users to effortlessly upload puzzle images and receive accurate solutions. A standout feature allows users to provide hint images for added assistance, particularly beneficial for intricate puzzles.
Key Features:

- Puzzle Solving:
  Seamlessly analyze and present solutions for a wide array of puzzle or jigsaw images.
- Hint Image Support:
  Elevate puzzle-solving capabilities with the option to upload a secondary image as a hint, especially useful for complex puzzles.
- Interactive Interface:
  Enjoy a user-friendly interface for straightforward navigation, ensuring an enjoyable user experience.
- Advanced Computer Vision:
  Leverage sophisticated computer vision algorithms, implemented in Python and OpenCV, to achieve precise and efficient puzzle solving.

Github **Demo**

Interactive Drawing Education System for Children
My team and I have developed an inventive web application dedicated to enhancing drawing education for children. This interactive system incorporates cutting-edge machine learning algorithms to predict and assist children in their artistic endeavors, creating an engaging learning environment with real-time feedback and support.
Key Features:

- Drawing Prediction:
  Our system excels in predicting a child's intended drawing, providing invaluable assistance throughout their artistic journey.
- Completion Assistance:
  Uniquely, the application offers completion assistance, guiding children to finish their drawings by offering helpful suggestions and guidance where needed.

Models Utilized:
Neural Networks, Deep Learning, KNN, RNN.
Github **Demo**

English Grammar Error Correction
The Project is a dedicated effort towards developing an efficient system for automatically detecting and correcting grammatical errors in written English text. Utilizing the powerful T5 model and implementing an Encoder-Decoder architecture.

- T5 Model Integration.
- Encoder-Decoder Architecture.
- User-Friendly Interface.

Github

Arabic Text Classification and Sequence Labeling

- Implemented diverse models including Naive Bayes, Logistic Regression, LSTM, and CNN to handle various aspects of text classification and sequence labeling.
- Demonstrated proficiency in machine learning techniques applied to natural language processing (NLP) tasks, contributing to the enhancement of Arabic language processing capabilities.
- Successfully applied these techniques to real-world scenarios, achieving competitive performance in classification and labeling accuracy.

Github

Heartbeat Categorization
This project is aimed at developing a machine learning model that can accurately classify heartbeats as either normal or abnormal. The model is trained on a dataset of ECG (electrocardiogram) signals, which were collected from patients and labeled by medical professionals.
Gitub