

Zulqarnain Projects

I am pleased to share that I have worked on several exciting projects in the field of computer science, specifically in computer vision, natural language processing, and search engines.

1. In my first project, I developed a system for COVID-19 detection using computer vision techniques. This involved training a convolutional neural network (CNN) on a dataset of chest X-ray images to detect signs of COVID-19. The system achieved state of the art accuracy on a test dataset, and I believe it has the potential to help healthcare professionals in the fight against the pandemic.
2. In my second project, I worked on generating automatic code comments using natural language processing. This involved building a model that can generate comments for code snippets based on their function and inputs. I used techniques such as word2vec and sequence-to-sequence models to improve the performance of the system. The model performs better on a test dataset, and I believe it could help developers save time and improve the readability of their code.
3. Finally, I worked on a search engine that uses natural language processing to retrieve information. The search engine utilizes techniques like TF, TF-IDF to improve the relevance of search results. I built a web-based interface that allows users to search for information using natural language queries. I believe this project has the potential to improve the accuracy and efficiency of information retrieval.

You would like access to the code, please let me know. Thank you for your time!