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Education

Bachelor of Technology (Mechnical)
National Institute of Science & Technology
2017 - 2021

Skills

- Python
- Linux
- MySQL
- Flask
- Git & Github
- Docker
- Tensorflow
- Keras
- AWS

Sayed Qaiser Ali

Data Scientist - I

Summary

As an experienced Oracle PPM analyst with a passion for technology and automation, I am excited to pursue a new opportunity as a Data Scientist. With a solid foundation in project management and an aptitude for programming and scripting, I am eager to leverage my technical acumen, analytical skills, and collaborative mindset to drive data-centric solutions that empower organizations to make informed decisions and achieve their strategic objectives.

Work Experience

Oracle PPM Analyst — 2021 - 2023

Tata Consultancy Services I Bhubaneswar

- Collaborating with project teams to understand their business requirements and designing solutions that meet their needs
- Configuring and customizing Oracle PPM software to align with project management best practices and client-specific requirements
- Training end-users on how to use the Oracle PPM software and providing ongoing support
- Identifying areas for process improvement and recommending solutions to optimize project management processes.

Professional Development

- **Spoken Digit Recognition**: Developed a robust machine-learning model capable of accurately recognizing spoken digits. Applied signal processing techniques to preprocess audio data and utilized deep learning models, such as convolutional neural networks (CNNs) or recurrent neural networks (RNNs), to classify the spoken digits. Achieved high accuracy rates through extensive model training and optimization. The project contributed to the field of speech recognition and showcased proficiency in audio data processing and machine learning algorithms.

- **Document Classification using CNN**: Project focused on document classification utilizing Convolutional Neural Networks (CNN). Developed a comprehensive pipeline that encompassed data preprocessing, model architecture design, and model training. Implemented advanced techniques such as word embeddings and convolutional layers to extract meaningful features from textual data. This project showcased my ability to independently tackle complex problems and deliver accurate document classification solutions using CNN.

Expertise

Computer Vision

NLP

Data Visualization

Transformers

Soft Skills

Technical Documentation

Presentation Skills

Excel Proficiency

Technical Blog Writing

Communication Skills

Certifications

AWS Certified Solutions Architect - Associate exam (SAA-C03)

AWS Certified Machine Learning - Specialty exam (MLS-C01)

- **Computer Vision Segmentation**: Led a comprehensive project focused on training and deploying pre-trained segmentation models in the field of computer vision. Implemented cutting-edge techniques, including deep learning architectures such as U-Net, Mask R-CNN, or FCN, to perform pixel-level segmentation tasks. Explored various applications, such as object detection, semantic segmentation, or instance segmentation, and achieved improved segmentation accuracy compared to baseline models. Demonstrated expertise in data preprocessing, model training, and interpreting segmentation results.

- **NLP Attention Mechanism for Language Translation**: Designed and implemented an advanced language translation system using an encoder-decoder architecture with an attention mechanism. Leveraged deep learning models, such as recurrent neural networks (RNNs) or transformer models, to capture the contextual meaning of sentences. Implemented attention mechanisms to improve translation quality by focusing on relevant parts of the source sentence during the translation process. Developed proficiency in natural language processing (NLP) concepts, sequence-to-sequence models, and language translation tasks. Showcased strong understanding of encoder-decoder architectures and attention mechanisms in NLP.

- **Transfer Learning for Multi-label Image Classification:** Created a robust image classification system capable of classifying images based on multiple labels. Leveraged transfer learning techniques by utilizing pre-trained models, such as VGG, ResNet, or Inception, and fine-tuned them on custom datasets. Implemented strategies to handle multi-label classification, including binary relevance, classifier chains, or label powerset approaches. Demonstrated proficiency in adapting pre-trained models for specific classification tasks, optimizing model performance, and dealing with multi-label scenarios. Achieved accurate classification results and showcased versatility in image recognition and transfer learning concepts.

Open Source Projects

- **Comprehensive AI Project Execution: Docker, CI/CD, Blogs, and Open Source**: I have successfully implemented a series of AI projects from end to end, demonstrating proficiency in various concepts such as Docker, CI/CD, deployment, and technical blogging. These projects encompassed diverse domains, including speech recognition, computer vision segmentation, NLP attention mechanisms, and transfer learning for image classification. I took a comprehensive approach, involving data acquisition, model development, testing, and deployment. Furthermore, I documented these projects extensively, authoring technical blogs and creating detailed technical documentation. To encourage knowledge sharing and collaboration, I hosted these projects as open source on GitHub, allowing others to benefit from and contribute to the codebase.

Reference

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Dinesh Behera

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