SYED ABDUL KHADER

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EDUCATION

Plaksha University   *August 2022 – Present*
Post Graduate Diploma - AI/ML   Current CGPA: 9.7

JNTUH College of Engineering   *September 2014 – May 2019*
Bachelors in Technology + M.B.A.   Overall Percentage: 81%

WORK EXPERIENCE

Infinstor Pvt. Ltd., India   June 2021 - July 2022
Data Scientist I

· Developed Object Detection and Classification models for a Client to extract text from documents.
· Performed Language Modelling to convert the handwritten forms in digital format, and reduce the turn around time of the procces by 90%.
· Developed LogBERT model for SQL queries anomaly detection and published an explainer on medium.
· Architected the pipeline for User Churn Prediction on a large tabular dataset.

Infor, India   June 2019 - April 2021
Dev. Business Analyst

· Automating Customer Data Migration Tasks, reducing turn over time from 2 days to minutes.
· Integration of various Infor ERP systems to MSCRM/Salesforce.

PROJECTS

Segmentation of Pulmonary Artery During Robotic Right Lower Lobectomy
This project aims developing a computer vision-based approach to reliably identify the pulmonary artery during robotic right lower lobectomy. The base model used is a Mask-RCNN to segment the arteries in the video frames. The work is published in 103rd annual meeting of American Association for Thoracic Surgery(AATS).

Panoptic Segmenation of Constuction Objects using Transformer Model
As part of a community, we annotated 50 classes of data, like a road grader, aac block, concrete pump etc. We than trained a transformer model, particularly DETR to initially perform object detection and then extend it to perform panoptic segmentation. The detailed explanation and results are available at github.

TECHNICAL STRENGTHS

Languages	Python, Java, SQL
Technologies	Deep Learning, Machine Learning, MLOps
Libraries and Frameworks	PyTorch, Numpy, sklearn, pandas
Version Control	Github