

SANATH NARASIMHAN

DATA SCIENTIST

EXPERIENCES

Software Engineer Consultant at TYLT

November 2022 - January 2023

- Assisted with various technical and business requirements including, analyzing client requirements and creating power-point presentations explaining delivery roadmaps.
- Was in charge of 3D modeling and visualization of products using Blender3D and also assisted with integrating onto websites, making it compatible with various device types.

Data Scientist Consultant at Paypal

August 2020 - June 2022

- Built Document Extractor that extracted metrics for loan risk analytics, from scanned PDF-based Loan Documents, using Optical Character Recognition and Named Entity Recognition, eliminating human efforts by 80%.
- Implemented patented deep learning-based ensemble Document Classifier that classified between 10,000 different types of documents to optimize document extractor, using a combination of clustering and classification methodology, which improved the performance of the classifier, allowing it to be scalable and stable when the number of document types is increased significantly like 5 fold (50,000 document types).
- Automated document quality analysis using Signal-to-noise ratio, spatial/structural detection, brightness, and blur detection which improved the overall which improved document classification model's F1 score to 0.9%
- Built Document Generator System using python Flask-django framework leveraging JavaScript frontend and OpenCV for document manipulation at the backend that takes masks original data with dummy information, to enforce user privacy and also generated a large dataset to aid the Document Classification and Extraction Algorithm

Data Scientist at Enquero Global LLP

September 2017 - June 2018

- Maintained the Data Quality metrics dashboard for our client Cisco which involved acquiring new incoming data from the Hive cluster biweekly and monthly, performing validation, and updating the data to a QlikView server.
- Worked on improving the sales team's search efficiency using hybrid clustering to better resolve client branches.
- Created a proof of concept to analyze the churning of partners of Cisco in the SaaS services.

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PROFILE

An innovator exploring the fields of Data Science, Artificial Intelligence, and Human Consciousness. Constantly looking to expand my horizons of knowledge and step into the unknown

EDUCATION

The University of Texas, Arlington Masters in Computer Science | Specialisation: Artificial Intelligence

THESIS PROJECT

Field- Artificial General Intelligence | Topic- Neuroscience based Simulated Env for AI Agents through Mutual Eye Gazing & Visual Cues

EXPERT SKILLS

Python	Flask
C++	Django
JS	React.JS
R	Kubernetes
MATLAB	Docker
SQL	Unity 3D
Web Dev	Google Cloud

DATA SCIENTIST SKILLS

Optical Character Recognition and Named Entity Recognition

Image Processing and Computer Vision

Data Mining and Machine Learning Methodologies and algorithms such as Classifiers, Regressors, Deep Learning, Neural Networks, Natural Language Processing

APPRECIATION

- Won Hackathon event for the best use of Algolia API on October 2018
- Awarded a Tuition Waiver Scholarship for 3 semesters by CS department of UTA with six nominations (maintain the bold)
- Collaborated and Published a paper with HDIL Bat 2020 Joint IEEE 10th International Conference on Development and Learning Epigenetic Robotics (ICDL-EpiRob): SEDRo: A Simulated Environment for Developmental Robotics
- Certified in Intelligently Extract Text & Data from Document with Optical Character Recognition and Named Entity Recognition from Udemy on May 2022