Ajit Kumar Patel

Data Scientist | Data analyst

A **Google Certified Data Scientist** with good Working Knowledge in **Statistical Analytics, MLDLC, MLops,** an individual with proficiency in **Python, ML/DL & Computer Vision**, and **NLP** seeking a data-driven role where I can contribute my **analytics, Database, Product development, Deployment** ML application to **Cloud**, skills towards organizational growth.

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CAREER SNAPSHOT

Data Scientist
data science enthusiast

09/2021 - Present

Achievements/Tasks

○ Processed and analyzed large data sets, resulting in **a 25% increase** in efficiency, using **data mining, pre-processing, feature engineering, visualization, and selection.**

○ Developed machine learning models with **97% accuracy** for **regression, classification, clustering, and time series analysis** tasks.

○ Trained deep learning models that **reduced** processing **time by 50%,** resulting in faster insights, using techniques like **ANN, CNN, RNN, LSTM, and Transfer Learning.**

○ Designed computer vision algorithms that **accurately classified** objects with **90%** precision, including **object classification, segmentation, and other image processing** applications.

○ Extracted key-value pairs from text documents, resulting in **30% reduction** in **manual effort**, and performed **text classification, summarization, and Sentiment analysis with NLP attention models** to align business goals with tech solutions.

PERSONAL PROJECTS

STUDENT PERFORMANCE INDICATOR (ML)

○ Collecting the data using **web scraping,** and **API**. Worked in **data cleaning** and **feature engineering**.

○ Developed a **CI/CD pipeline** with the help of AWS services for **Data Injection, Data Preprocessing, Model training, Predict pipeline**, and **workflow** creation to find the stud- performance.

○ Using Mlops, MLDLC, AWS, Flask, Git & GitHub, Docker.

DOCUMENT'S TEXT EXTRACTION PLATFORM (OCR)

○ Automate reusable document processing to extract required Information from the documents.

○ Developed a platform for Image **processing, OCR,** and **NLP** to extract the relevant information and save it in a **database.**

○ Using TensorFlow, PyTesseract, NLP, RNN, LSTM.

OBJECT DETECTION USING YOLO V4 & deep-short (DL)

○ **I performed object detection & Tracking** on images and videos using the **yolov5 and deep-short pre-trained model.**

○ The yolov5 dataset is trained on coco dataset which has 80 classes.

EDUCATION

Bachelor's Degree
Kmbb College of Engg and Tech

03/2017 - 06/2021

SKILLS

Language - Python, C, C++, HTML, CSS, SQL

BI tools- Ms. Excel, Tableau, Power BI, Domo

Data base - SQL, MySQL, PostgreSQL, MongoDB

Web scraping - request, Selenium, Beautiful soup

Library - NumPy, Pandas, Matplotlib, Seaborn, plotly

ML/DL tools: Scikit-learn, TensorFlow, Keras, PyTorch

NLP tools- NLTK, spaCy, Hugging Face   Statistics

Computer Vision - Open cv, Pillow, OpenVINO

MLops - Linux, git, GitHub, CI/CD, Docker, AWS, GCP

ACHIEVEMENTS

INDUSTRIAL ROBOTICS (06/2019 - 07/2019)
(06/2019 - 07/2019)

Kuka robot operation in manual mode, Kuka robot motion programming, Writing robot programs using KRL, Python

CERTIFICATES

Google Data Analytics Professional Certificate
Data Cleansing, Data Analysis, Data Visualization, SQL, Decision Making, Problem Solving, Data Collection, Microsoft Excel, Tableau, ,Business KPI, SQL

Data Science statistics Skills - Duke University
Calculus, Vector Algebra, Matrix Algebra, Probability Theory, Hypothesis Testing, etc.

Machine learning - DeepLearning.AI, Stanford
supervised , Unsupervised Learning, and their algorithm. Neural Networks, Improving Deep Neural Networks, Convolutional Neural Networks

Deep Learning Specialization - DeepLearning.AI
ANN, CNN, TensorFlow , RNN , transformers, Backpropagation, Neural Network Architecture, Mathematical Optimization, hyperparameter tuning

INTERESTS

Big Data   System Architect