# Ajit Kumar Patel

## Data Scientist | Infotel India Pvt Ltd.

A **Google Certified Data Scientist** with **almost 2 years** of Working Experience in **Statistical Analytics, MLDLC, MLops**, individual with proficiency in **Python, ML/DL & Computer Vision, and NLP** seeking a data-driven role where I can contribute my **analytics, Database, and Product development, Deployment** ML application to **Cloud**, skills towards organizational growth.

✉ 1ajitkumarpatel@gmail.com

📍 Bangalore, India

⚡ github.com/ajitkumarpatel1

📱 +91-8018088492

in linkedin.com/in/ajit-kumar-patel

◉◗ medium.com/@1ajitkumarpatel

## CAREER SNAPSHOT

### Data Scientist

**Infotel India Pvt Ltd.**

*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 **95% 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 **a 30% reduction** in **manual effort**, and performed **text classification, summarization, and Sentiment analysis with NLP attention models** to align business goals with tech solutions.

## PROJECTS

### DOCUMENT'S TEXT EXTRACTION PLATFORM

- Automate reusable document processing to extract required Information from the documents.
- Developed a platform for Image **processing, NLP,** and **OCR** to extract the relevant information and save it in a **database.**
- Using TensorFlow, PyTesseract, NLP, RNN, LSTM.

### PERSONAL PROJECTS

### STUDENT PERFORMANCE INDICATOR

- 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.

### OBJECT DETECTION USING YOLO V4 & deep-short

- **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