

# AJIT KUMAR PATEL

 [lajitkumarpatel@gmail.com](mailto:lajitkumarpatel@gmail.com)

 [github.com/ajitkumarpatel](https://github.com/ajitkumarpatel)

 [medium.com/@lajitkumarpatel](https://medium.com/@lajitkumarpatel)

**22/05/2023**

**Subject: Application for Data Scientist Position**

**Organization: Uptycs India Pvt Ltd**

**Dear,**

I am writing to express my keen interest in the position of Data Scientist at **Uptycs India Pvt Ltd**. With a strong foundation in Statistical Analytics, ML/DL, Computer Vision, and NLP, I am eager to contribute my skills and knowledge to support data-driven decision-making, and AI Product development and drive organizational growth.

As a Betch graduate and a Google Certified Data Scientist, I have gained hands-on experience in processing and analyzing large datasets, utilizing techniques such as data mining, pre-processing, feature engineering, visualization, and selection. My machine learning models have achieved an impressive accuracy rate of 98% across various tasks, including regression, classification, clustering, and time series analysis.

In addition, I have expertise in training deep learning models, designing computer vision algorithms with a precision rate of 90%, and leveraging NLP attention models for text analysis tasks. I have successfully completed personal projects such as the "Document's Text Extraction Platform," which automates information extraction from documents using TensorFlow, PyTesseract, NLP, RNN, and LSTM. Another notable project is the "Student Performance Indicator," where I developed a robust CI/CD pipeline using AWS services for accurate analysis of student performance.

I would like to put these characteristics to use within your organization. Given my education in Data Science and proficiency in various programming languages, BI tools, and databases, I believe I am perfect for the position you are offering. The components that were discussed during my studies closely match the skills required for this role. I am a dedicated and detail-oriented individual who thrives in challenging environments. With my strong analytical mindset and passion for problem-solving, I am confident that I can make valuable contributions to your organization's data-driven initiatives.

I am excited about the possibility of joining Uptycs India Pvt Ltd as a Data Scientist and contributing to its success. My attached resume provides further details on my qualifications and achievements. I am eager to discuss how my skills and experience align with the company's needs and would welcome the opportunity for a personal meeting. You can reach me either by phone 8018088492 or by email [lajitkumarpatel@gmail.com](mailto:lajitkumarpatel@gmail.com). Thank you for considering my application, and I look forward to hearing from you.

**Best Regards,**

Ajit kumar patel

# 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

🌐 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

# 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.

✉ 2ajitkumarpatel@gmail.com

📍 Bangalore, India

🐙 github.com/ajitkumarpatel1

📞 +91-8458050600

🌐 linkedin.com/in/ajit-kumar-patel

🗣 medium.com/@1ajitkumarpatel

## 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.
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## PERSONAL PROJECTS

### STUDENT PERFORMANCE INDICATOR (ML)

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- 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)

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