

# Jignesh Patel

## Data Scientist

Leveraging 3 years' expertise, I derive strategic insights from vast datasets for early-stage tech firms. Proficient in ML/DL, NLP, and Generative AI, I craft innovative models and collaborate on solutions, fostering growth through actionable strategies.

## WORK EXPERIENCE

### Data Scientist

Sep 2023 – Present

Bacancy, Ahmedabad, India –via DataProphets

- Worked on an AI-powered text-to-query data search engine and chatbot using GCP's PALM AI model for text generation. Enabled direct user interaction for information retrieval from Airtable, resolving data transformation challenges for accurate search results. Integrated seamlessly via website API for an enhanced user experience.
- Collaborating with a US team to develop an autoML product catering to non-tech users, allowing model training, data cleaning through drag-and-drop features, and hosting both models and APIs. Simplifying the process for non-tech users to train models, manage data, and access hosted APIs seamlessly.

### Data Scientist (AI/ML Stack)

May 2021 – Sep 2023

Data Prophets, Ahmedabad, India

- Enhanced Diart with real-time speaker diarization via Whisper & Pyannote, improving meeting summaries. Leveraged ASR & Websocket for speaker ID and live captioning.
- Collaborated in team for shipping label data automation via Raspberry Pi-connected camera. Applied DocTR OCR, custom Spacy NER post YOLO output, enhancing entity extraction for efficient database storage.
- Collaborated within a team to fine-tune Whisper ASR, ensuring precise speech-to-text conversion for Reptalk's medical chatbot. Implemented word boosting techniques and Flask API hosting, facilitating voice-enabled queries in the Rasa-based system.
- Improved patent verification at European Patent Office using fine-tuned BERT model for 92% accurate claim-text relevance. Applied semantic analysis, enhancing efficient patent evaluation.
- Leveraged LSTM for stock market analysis & prediction, incorporating algo trading strategies and chart/candle pattern analysis. Collaborated with frontend team for dashboard creation, ensuring end-to-end deployment and comprehensive visualization of insights.

### Data Science Intern

January 2021 – May 2021

Data Prophets, Ahmedabad, India

- Analyzed Panasonic Avionics dataset to identify missing flight data, enabling informed supply decisions; employed Random Forest Regressor achieving 94% accuracy, utilizing Pandas, Numpy for data extrapolation.
- Researched on emotion mining for unlabeled text via NRCLex, leveraging lexicon-based approach to predict sentiments / emotions.
- Collaborated with team and developed machine learning solution to achieve accurate outcomes.
- Considered a valuable development team asset, awarded with 'Intern Appreciation Letter' on completing internship.

## CONTACT

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- [linkedin/jignesh-patel-63279b190](https://www.linkedin.com/in/jignesh-patel-63279b190)
- <https://github.com/jarvisx17>

## SKILLS

### Data Transformation/Engineering:

- Pandas (Advanced)
- Matplotlib/ Plotly (Experienced)
- ETL Pipeline

### Techniques:

- End to end ML mode training and deployment
- Recommendation Engines
- Data Transformation and Analysis

### Tools and Frameworks:

- Huggingface Transformers
- Keras, Scikit-learn, Generative AI, LLMs
- Cloud (AWS, GCP)
- Python, Docker
- Databases (MySQL, MongoDB, PostgreSQL)
- Frameworks (Pytorch, Tensorflow)
- Rasa, Langchain, Vector Store
- Flask, Fast APIs, Gradio, Streamlit
- Github, Jira, Bitbucket

## EDUCATION

### Marwadi University

Bachelor of Engineering

Major in Computer Science

Rajkot, India – May 2022

Grade : Distinction

Awards: Internal Hackathon runner up

### Galaxy Group of Science

HSC Science Stream

Ankleshwar , India – May 2018

Grade : A+

## OTHER

- Volunteered in a 6-month NSS Program, run by MU. )
- Machine Learning Certification (2022)
- Expert on Kaggle.
- Statistics Certification (2022)