

# Jainil Patel *AIML Engineer*

✉ jainil24680@gmail.com ☎ 7774036728 📍 Pune , India in linkedin.com/in/jainil-patel-2857ab202/

🐙 github.com/astro215

## EDUCATION

### Symbiosis Institute of Technology

B.Tech Artificial Intelligence and Machine Learning , GPA - 7.9

Aug 2021 – Jul 2025 | Pune, India

## SKILLS

### Languages:

Python, C++, SQL

### Web Technologies:

JavaScript , HTML , CSS , Full Stack , React.js , Node.js , Express.js , FastAPI , MERN stack , Flask.

### Data Visualization

PowerBi , Tableau

### ML/AI:

Tensorflow , PyTorch, Numpy, Pandas, Keras , OpenCV , LangChain

### App Development:

React Native , Flutter

### Miscellaneous:

Git , Linux , PyCharm, Latex ,Overleaf ,MongoDB

## PROFESSIONAL EXPERIENCE

### Idea Foundation

Data Analyst - PowerBi , Tableau

Jul 2023 – Dec 2023 | Pune, India

- Developed an interactive dashboard presenting individual student reports, utilizing data from an NGO across multiple centers.
- Enhanced donor impact by employing creative data visualization techniques that vividly showcase the positive outcomes of the NGO's educational initiatives.
- Integrated interactive features into the dashboard, providing donors with a dynamic and engaging experience, fostering a deeper understanding of the meaningful contributions to student education.

## PROJECTS

### Resume Revealr - Advanced Resume Parsing tool - MINEd Hackathon 2024

Python , Dedoc (for parsing, analyzing), Tesseract OCR 5 , LangChain , OpenAI

- Developed advanced resume parsing tool to extract detailed information from diverse formats.
- Contributed to standardizing job titles using ONET standardization.
- Utilized prompt engineering and output parsing to convert resumes into .json format using LLM.
- Demonstrated proficiency in document processing, collaboration, problem-solving, and industry relevance.

### Legal Bot - Legal Text Summarization using NLP

Python , TensorFlow , PyTorch , React Native , JavaScript , Fast API (Docker) , Firebase , Hugging Face

- Orchestrated training of NLP models to summarize legal texts (judgements), enhancing comprehension.
- Deployed Language Model (LLM) via FastAPI, integrated into a user-friendly React Native app.
- Spearheaded mobile app development using advanced NLP for effortless extraction of crucial legal information.

### Resting, and cognitive state EEG signal classification of multiple subject-driven states.

Python , TensorFlow , MNE (library) , Streamlit

- Ongoing research focused on EEG signal processing using MNE library.
- Applied Supervised Machine Learning and Deep Learning for state classification.
- Conducted comparative analysis of classification models for EEG signal patterns.
- Actively contributing to a research paper exploring novel methodologies in EEG signal processing.

### Avifauna Acoustic Detection

Python , TensorFlow , Streamlit

- Ongoing research work
- Led development of ML models (CNNs, RNNs) for accurate bird species recognition.
- Envisioned real-time bird recognition via smartphones for conservation efforts.
- Contributed to bird population monitoring and behavior study through ML techniques.

### Clean scan - GDSC Project (Google Developer Student Challenge)

Flutter , Dart , Python , Firebase

- Detects garbage efficiently using machine learning.
- Promotes responsible waste management for environmental and health benefits.
- Aligned with GDSC initiative for positive environmental impact and sustainable development goals

## ACHIEVEMENTS

### GGP-PAAI Student conference

Presented research paper "Intelligent Flat Bath prediction system" at GGP-PAAI Student's conference in collaboration with Aston University (UK) on advancing predictive modeling for industrial furnace optimization.