




# OM M PATEL


## Machine Learning Intern | Data Science Intern

Dynamic computer science student passionate about NLP, Gen AI, and Data Science, with experience in AI/ML solutions. Eager to revolutionize business operations with LLM-based analytics. Keen podcast enthusiast.


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 [GitHub Profile](#)

 [LinkedIn Profile](#)

 [Kaggle Profile](#)

 [Personal Profile](#)

## Education

- Pandit Deendayal Energy University, Gandhinagar**  
Bachelor of Technology in Computer Science and Engineering

November 2021 - May 2025  
CGPA: 8.65

## Experience

### ANDROID DEVELOPER INTERN, PATCHMAX LTD.

April 2023 - July 2023

- Assisted in **UI** improvements and **API integration** to deliver comprehensive solutions which led to a **23%** increase in user engagement.
- Implemented **web scraping** using **Python**, **Beautiful Soup**, and **Selenium** to collect and process data from external websites, leading to an **18%** increase in **data acquisition** efficiency.
- Created Apps in **Kotlin**, and utilized **Kotlin coroutines** for efficient asynchronous operation, leading to a **30%** boost in **user engagement** and a **20%** reduction in **crash rates**.
- Integrated **Firestore** and essential features like the **Glide** library and **Retrofit** which enhanced application performance up to **40%** and user experience.

## Personal Projects

### INDIAN WEATHER PREDCTION

Mar 2024 - Present

- Ranked** in **Top-5** for Kaggle's ML Olympiad (Forecasting India's Weather):
- Achieved high **accuracy** ( $R^2$ : **0.9844**) by comparing & selecting the best regression model (XGBoost, **Gradient Boosting**, Linear Regression, Decision Tree, etc.).
- Performed **EDA** showcasing diverse graphs and model evaluation metrics.

### CHATPDF AI "CHAT WITH YOUR PDF"

Jan 2024 - Mar 2024

- Spearheaded improvements to enhance productivity and decision-making for users involved in document analysis tasks, achieving an accuracy rate of **89%**.
- Built using **NLP**, **Streamlit**, **LangChain**, **PyPDF2**, and **FAISS** for efficient document analysis and retrieval (**RAG System**).
- Systematized the utilization of **Google Generative AI** and developed robust error-handling mechanisms, deploying the system on **Streamlit Cloud**.

### AUTOGRADER "PRECISION IN EVERY GRADE"

Sept 2023 - Nov 2023

- Led a six-member team** in developing AutoGrader, an automated grading system, React in front end, **Python** with **Flask** for backend logic, and **MongoDB** for flexible data storage.
- Analyzed **NLP** grading with **BERT**-Uncased, employing **Spacy** & **PyTesseract** for image processing to ensure above **80%** accuracy in assessing diverse exam formats.
- Positioned the project as a **time-cost-effective** for educators, saving them **15%** of their time.

## Skills And Interests

**Languages:** Python, C, Java, HTML+CSS

**Frameworks and Libraries:** Scikit-learn, TensorFlow, Flask, Pandas, NumPy, Matplotlib, Seaborn

**Tools:** Asana, Confluence, Compass, Git, Github, Google Collab, GCP, Jira, Microsoft Office, WorkBench

**Databases:** MongoDB, Firebase, MySQL, SQLite

**Emerging Technologies:** Langchain, LLMs, Generative AI, NLP

**Areas of Interest:** Data Science, Data Analyst, ML-Ops, Big Data Analyst, Gen AI, AI, ML

## Certificates

- [Generative AI with Large Language Models](#)
- [LangChain Chat with Your Data](#)

March 2024  
February 2024

## Position Of Responsibility

- President : *Tattvam- The Sanskrit Club Of PDEU*
- Graphic Design Head: *Tattvam- The Sanskrit Club Of PDEU*

May 2023 - Present  
May 2022 - May 2023