

# OM M PATEL

## Data Science Intern

Dynamic and curious being with a penchant for Data, AI and a keen interest in podcasts. A regular Self-learner, Always ready for interesting conversations and experiences.

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 [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.
- Collaborated within a team environment, demonstrating adept **problem-solving** abilities and flexibility in fluid project settings, achieving a consistent **on-time delivery** rate of over **95%**.

## Personal Projects

### TEXT2SQL "ACCESS YOUR DATABASE IN YOUR LANGUAGE"

Mar 2024 - Present

- Streamlined Text2SQL app with **LangChain** and **GeminiPro** for easy **SQL** query generation, reducing 40% manual query writing time. Refined User-friendly experience using **Streamlit**.
- Designed advanced natural language prompts, transforming input into precise SQL queries.
- Democratized data access, eliminating manual query writing in a **Streamlit web app**.

### CHATPDF AI "CHAT WITH YOUR PDF"

Jan 2024 - Mar 2024

- Spearheaded improvements to enhance productivity and decision-making for users involved in PDF 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 for the 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** solution 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:** GIT, GITHUB, GOOGLE COLLAB, GCP, INTELLIJ, MICROSOFT OFFICE, ASANA, AI TOOLS, COMPASS, 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, QUANTITATIVE ANALYST, 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