

# 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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## Education

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| • Pandit Deendayal Energy University, Gandhinagar<br>Bachelor of Technology in Computer Science and Engineering | November 2021 - May 2025<br>CGPA: 8.65 |
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## Experience

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| <b>ANDROID DEVELOPER INTERN, PATCHMAX LTD.</b> | April 2023 - July 2023 |
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- 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

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| <b>TEXT2SQL</b> "ACCESS YOUR DATABASE IN YOUR LANGUAGE" | Mar 2024 - Present |
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- 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**.

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| <b>CHATPDF AI</b> "CHAT WITH YOUR PDF" | Jan 2024 - Mar 2024 |
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- 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**.

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| <b>AUTOGRADER</b> "PRECISION IN EVERY GRADE" | Sept 2023 - Nov 2023 |
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- 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

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| • <b>Generative AI with Large Language Models</b> | March 2024    |
| • <b>LangChain Chat with Your Data</b>            | February 2024 |

## Position Of Responsibility

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| • <b>President</b> : Tattvam- The Sanskrit Club Of PDEU          | May 2023 - Present  |
| • <b>Graphic Design Head:</b> Tattvam- The Sanskrit Club Of PDEU | May 2022 - May 2023 |