

# ADITYA GAIKWAD

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[Portfolio](#) | [LinkedIn](#) [Github](#)

## PROFILE

Data Scientist & AI Engineer skilled in **Python**, **machine learning**, and **deep learning** (RNN, LSTM, GRU, CNN, Transformers). Proficient in **data preprocessing**, **feature engineering**, and model optimization using **TensorFlow**, **Keras**, **PyTorch**, **Scikit-learn**. Experienced in **NLP**, **computer vision**, **data visualization** (Power BI, Tableau), and **SQL/PostgreSQL** for end-to-end AI solutions.

## WORK EXPERIENCE

### DIGITAL IPSUM PVT. LTD | Data Analyst | [LOR](#)

November 2024 – April 2025

- **Web scraping (Python)** for company & social media data; **data cleaning**, **transformation**, and **statistical analysis** using **Pandas**, **NumPy**, **JASP**.
- Designed **dashboards & reports** for **business insights**; collaborated in team meetings and knowledge-sharing sessions.

## PROJECTS

### AI-Powered Quiz Generation App with NLP and LLMs

September 2025 | [Project Link](#)

- Developed a **Generative AI-powered Quiz Generator** using **Google Gemini API**, **Streamlit**, and **Python** to dynamically create MCQ, True/False, and open-ended assessments.
- Implemented **prompt engineering**, **NLP techniques**, and **JSON parsing** for robust quiz generation and evaluation.

### Germany Clothing Brands Analysis | Python, Excel, Power BI

April 2025 | [Project Link](#)

- Created **Power BI dashboard** for sales, website, and social media analysis; performed **preprocessing** and **data transformation** using **Python** and **Excel**.
- Applied **SEO tools** to improve customer retention/acquisition; delivered **BI insights** for marketing and sales optimization.

### Heart Disease Prediction Model | Python, ML, Deep Learning

February 2025 | [Project Link](#)

- Developed predictive models using **Logistic Regression**, **Random Forest**, **Decision Tree**, and **ANN**; applied **Keras Tuner** for **hyperparameter optimization**.
- Utilized **Python**, **Pandas**, **Scikit-learn**, **NumPy**, **Seaborn**, and **Matplotlib** for **data analysis**, **visualization**, and feature importance identification.

### Spotify Playlist Data Analysis | PostgreSQL(pgAdmin4), SQL, Excel

January 2025 | [Project Link](#)

- Normalized Spotify dataset to enhance data quality and query efficiency; **executed complex SQL (DDL, DML, joins, subqueries, window functions)** for business insights.
- Analyzed tracks, albums, and artists; optimized queries using indexing, execution plan analysis, and SQL best practices.

### Retail Sales Analysis | PostgreSQL(pgAdmin4), SQL, Excel

January 2025 | [Project Link](#)

- Normalized retail sales dataset to improve data accuracy and query speed; write advanced **SQL (DDL, DML, joins, aggregations, window functions)** for sales insights.
- Analyzed product, category, and regional trends; boosted query efficiency using indexing, query tuning, and execution plan optimization.

## SKILLS

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Programming Languages : **Python**  
Libraries & Frame works: **Pandas, Numpy, Seaborn, Matplotlib, Scikit learn, OpenCV, Tensorflow, Keras, PyTorch**  
Machine Learning & AI Technologies : **Bagging, Boosting, Random Forest, XGBoost, K-Means, DBSCAN, ANN**  
Natural Language Processing (NLP) : **RNN, LSTM, GRU, Transformers(BERT, GPT), Text Preprocessing, Embeddings**  
Computer Vision : **YOLOv8, CNN, U-Net, Object Detection, Segmentation, Data Augmentation**  
Data Visualization Tools: **Power BI, Tableau, MS Excel**  
Database Management : **MySQL, PostgreSQL, SQL**  
Data Processing & Feature Engineering: **Data Cleaning, Wrangling, Encoding, Feature Engineering**  
Web Technologies : **SEO (DA, PA, Spam Score), Web Analytics**

## OTHER SKILLS

- **Problem Solving** and **Analytical Thinking**
- **Team Collaboration** and **Cross-functional Collaboration**
- **Critical Thinking** and **Data-Driven Decision Making**
- **Adaptability** in fast-paced environments
- **Communication Skills** for presenting insights and data findings

## WORKING ON PROJECTS

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- **Automated Web Scraper and Dataset Converter for Data.gov**
- **Interactive LLM-Powered Quiz Creation**
- **Spotify Streaming History SQL Analysis**

## COURSE

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**Masters in Data Science and Analytics with AI** [Certification](#)  
IT Vedant Education Pvt. Ltd. | June 2024 - Present  
Coursework: Python, SQL, Power BI, Tableau, Excel, Machine Learning, Deep Learning, Computer Vision, NLP

## EDUCATION

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<b>Bachelor's of Engineering</b> Savitribai Phule Pune University	<b>7.5 CGPA</b> 2024
<b>Diploma</b> Maharashtra State Board Technical Education	<b>83.38 %</b> 2021
<b>SSC</b> Kolhapur Divisional Board	<b>84.20 %</b> 2018

## CERTIFICATIONS

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- **Data Analysis with Python** from IBM | **August 2024**
- **SQL Certification** from IT Vedant, Pune | **September 2024**
- **Diving into World of Data** From IT Vedant | **November 2024**
- **Masters in Data Science and Analytics with AI** from ITVedant Education | **June 2024 - June 2025**