

Nishi W. Macwan

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Education

Marwadi University, Rajkot, India

Graduated: April 2025

Bachelors of Technology in Computer Engineering (Artificial Intelligence)

GPA: 3/4

Skills and Certifications

Programming Language: Python, R, SQL.

AI & ML: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Large Language Models (LLMs).

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-Learn, Hugging Face Transformers, OpenCV, LangChain, spaCy, NLTK.

MLOps & Model Deployment: Model Optimization, MLflow, FastAPI, Flask, Google, Vertex AI.

Data Processing: Pandas, NumPy, Apache Spark, ETL Pipelines, Data Cleaning & Preprocessing.

Visualization: Matplotlib, Seaborn, Plotly, Tableau, Power BI.

Certifications: TATA Group Visualization- Empowering Business with Effective Insights Job Simulation, Programming with Everybody (Getting Started with Python), Machine Learning with Python, AWS Academy Graduate - AWS Academy Cloud Foundations, AI for Everyone, Getting Started with DevOps on AWS

Experience

Business Analyst — Zennaxx Technologies — India

July 2025 – Present

- Analyzing business requirements, developing BI dashboards, and providing data-driven insights using **Excel**, **Power BI** and **SQL**.

AI & ML Intern — Sleuthor Technologies — India

March 2025 – May 2025

- Worked on advanced **AI** and **Machine Learning** tasks, improving model performance, and developed scalable solutions.
- Focused on optimizing workflows and implementing cutting-edge technologies like **LLMs**

Data Science Intern — Oasis Infobyte — India

March 2025 – March 2025

- Gained experience in data analysis and machine learning by leveraging **Python** libraries to implement predictive models and perform data preprocessing.
- Contributed to data-driven solutions and insights.

Projects

Predicting Solar Flares - Space Weather Monitoring

July 2024 - April 2025

Marwadi University, India

- This project focuses on using **time series** data from solar wind and sunspot activity to build a predictive model.
- By Leveraging **LSTM** networks, this project aims to enhance the accuracy of space weather predictions and mitigate potential risks to technology-dependent systems.

Deep Fake Image Generation

June 2023 – November 2023

Marwadi University, India

- Developed a **GAN** Model to generate realistic human face images using the CelebA dataset.
- Implemented techniques like **Leaky ReLU**, **Tanh**, **Batch Normalization** and optimized with **ADAM** for stable training.

Big Mart Sales Prediction

December 2022 – March 2023

Marwadi University, India

- Led a **ML** project to predict Big Mart sales using **Random Forest** and **Linear Regression**.
- Built predictive models in Google Colab to improve inventory management and reveal key sales patterns.

Extra-Curricular Activites

Certificate of Appreciation

December 2024

- Delivering an expert session on "**How is the Adoption of Artificial Intelligence**" at an International webinar organized by **DIGISAKSHAM**.

Engage Hub - A Github Campus Event

June 2023 – August 2023

- Organized an introductory event in collaboration with **GDSC** to inform first-year students about available campus resources and facilitate connections with peers and mentors.

Core Team Member - GDSC

August 2022 - September 2023

- Organised **5+** tech events promoted AI/ML, cloud computing and web development.
- 100+** students engaged.