

Aarohi Dharmadhikari

Final Year | BTech. Artificial Intelligence and Data Science | IIT JODHPUR

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Github:  | LeetCode:  | LinkedIn:  | PortFolio: 

EDUCATION

IIT JODHPUR

BTech. IN ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE

CUMULATIVE GPA: 7.72 / 10.0

MAY 2026 | RAJASTHAN, INDIA

ADITYA JUNIOR COLLEGE, PUNE, MAHARASHTRA

MAY 2022 | CLASS 12 | 86.17%

D.A.V. PUBLIC SCHOOL, PUNE

MAY 2020 | CLASS 10 | 97.2%

SKILLS

LANGUAGES

Python • SQL • C++/C •

C# • Javascript • LaTeX

TOOLS & TECHNOLOGIES

Git • GitHub • Jupyter Notebook •

Google Colab • Docker • Linux •

Windows • VSCode • Vector DBs

LIBRARIES/Frameworks

Object-Oriented Programming(OOP)

• Pandas • Numpy • Scikit-learn •

PyTorch • Keras/Tensorflow •

Matplotlib • Seaborn • PyG • RAG •

Flask • LangChain

COURSEWORK

UNDER-GRADUATE

Pattern Recognition and Machine
Learning

Deep Learning

Artificial Intelligence

Data Engineering

Data Structures and Algorithms

Operating Systems

Computer Architecture

Optimization in Machine Learning

Design and Analysis of Algorithms

Data Visualization

Probability Statistics & Stochastic
Processes

Mathematics for Computing

Computer Graphics

Autonomous Systems

EXPERIENCE

FUJITSU CONSULTING INDIA PVT. LTD. | AI/ML INTERNSHIP

May 2025 -- July 2025 | Pune, Maharashtra

- Engineered a **LangChain-powered Retrieval-Augmented Generation (RAG) pipeline** for querying large-scale Excel and PDF datasets; implemented efficient **chunking, embedding, and retrieval mechanisms**, and benchmarked performance using the **RAGAS framework**, achieving **74% accuracy**.
- Built and deployed an **AI-driven Conversational Chatbot** leveraging the RAG pipeline for **automated, context-aware Q&A**, significantly reducing internal query resolution time by **90%**.

PROJECTS

CLIP-VQA | UNDERGRADUATE STUDENT RESEARCHER

May 2024 -- May 2025 | Tech Stack: LLMs, ViViT, BERT, LoRA, PyTorch, GPUs

- Awaiting publication at **CVIP 2025** as **Single Authorship** for developing a multimodal video-scoring system for diving performance via **video-text fusion**.
- Designed a **cross-attention contrastive framework** integrating **ViViT** and **BERT** (LoRA fine-tuned), achieving **Spearman Rank Correlation of 0.54** and **MSE of 80.32** on the **MIT-UNLV Diving Dataset**.

TWITTER SENTIMENT ANALYSIS | COURSE PROJECT

Mar 2024 -- Apr 2024 | Tech Stack: SVM, Random Forest, Naive Bayes, Logistic Regression, Perceptron, PCA, LDA, TF-IDF, BERT Tokenizer

- Developed a **machine learning-based sentiment analysis pipeline** for over **30k tweets**, comparing traditional classifiers such as **Decision Tree, Random Forest, SVM, Naive Bayes, Perceptron, and Logistic Regression**.
- Applied advanced **text preprocessing, tokenization (TF-IDF, BERT Tokenizer)**, and **dimensionality reduction (PCA, LDA)** to enhance model performance, achieving a peak **accuracy of 71.5%** using TF-IDF features.

GOLD PRICE PREDICTION | COURSE PROJECT

Oct. 2024 -- Nov. 2024 | Tech Stack: Python, Firebase, Flask, React, ML

- Assembled an end-to-end **pipeline** to collect and preprocess **10.5k gold price-sentiment records** in **Firebase** using **NLP-based sentiment extraction**.
- Compared **Random Forest** and **Linear Regression** models, achieving **79.3% accuracy** and deploying results via a **Flask-React app**.

ACHIEVEMENTS

- Among **Top 3** in 150+ students chosen for 3-month **DRDO Student Assistantship** (Feb. 2025 – Apr. 2025)
- Solved **450+ DSA problems** on Leetcode, GFGPractice and CodeChef, earned a **Silver Badge** on **Leetcode**
- Led **IIT Jodhpur to QuarterFinals** in women's basketball in Inter IIT Sports, Kanpur (2024)

POSITIONS OF RESPONSIBILITY

- Vice Captain**, Basketball Society, IIT Jodhpur Dec. 2024
- Junior Executive**, E-Cell (Entrepreneurship Cell), IIT Jodhpur 2022 – 23