

Aarohi Dharmadhikari

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

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Github: [G](#) | LeetCode: [L](#) | LinkedIn: [in](#) PortFolio: [P](#)

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