ADI JAIN

📇 PERSONAL DETAILS

CSE UnderGrad — AI/ML Engineer — Python Developer — LLMs & Full-Stack Development

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I work across AI, ML, and full-stack development, mainly building LLM pipelines, RAG systems, and clean APIs. I focus on practical, end-to-end solutions — from data work and modeling to FastAPI backends and React/Next.js frontends. I enjoy figuring things out on my own, keeping things simple, and delivering work that actually solves a problem.

📖 EDUCATION

🎓 Bachelor of Technology in Computer Science Engineering
August 2022 – Present
Artificial Intelligence, Machine Learning, and Deep Learning.
Teerthanker Mahaveer University
Moradabad, India

GPA: 8.52 / 10.00 (Current)

🏫 Senior High School
April 2018 – July 2022
Science (Physics, Chemistry, Mathematics)
St. John's Senior Secondary School
Meerut, India

CGPA: 8.2 / 10

👔 EXPERIENCE

📈 Data Science Intern | EvoAstra Ventures Private Limited
September 2025 – November 2025
Exclusive Project – Telecom Customer Churn Prediction
Remote, India

- Developed a churn prediction pipeline on a **70k+** telecom dataset, including cleaning, EDA, and key Feature Engineering.
- Trained and compared ML models (Logistic Regression, Random Forest, XGBoost, LightGBM) with imbalance handling.
- Built deployable assets including a preprocessing pipeline, trained model, and a prediction API/dashboard.

🤖 Artificial Intelligence Intern | CETPA Infotech Private Limited
June 2024 – August 2024
Exclusive Project – Sentysis (Twitter Sentiment Analysis)
Noida, India

- Developed a sentiment-analysis system using Python, NLP, and ML models, improving classification performance by **18%** through feature engineering and tuning.
- Implemented SVM, Decision Tree, PCA-based dimensionality reduction, and clustering algorithms for comparative model evaluation.
- Designed preprocessing pipelines and evaluation workflows for text data, enhancing accuracy, stability, and reproducibility.

🔧 SKILLS

</> Programming Languages

Python, JavaScript (ES6+), C++

⚙ Frameworks & Libraries

FastAPI, Flask, ReactJS, NextJS, NodeJS, ThreeJS, TailwindCSS, AntDesign

☁ Cloud & Deployment

Vercel, Render, GitHub Actions, REST APIs, Environment Variable Management

🛠 Developer Tools

Git, GitHub, VS Code, Jupyter Notebooks, Vite, Perplexity, ChatGPT, Groq, Canva

🧠 AI & Machine Learning

Scikit-learn, XGBoost, LangChain, NLP, CNNs

🗄 Database Management

MySQL, PostgreSQL, SQLite, MongoDB (basic), MongoDB Atlas

📊 Data Processing & Analysis

NumPy, Pandas, Data Cleaning, Text Preprocessing, Feature Engineering

🤝 Soft Skills

Communication, Teamwork, Leadership, Problem-Solving, Adaptability, Time Management

📁 SELECTED PROJECTS

Some of my projects are publicly available on **GitHub.** You can also click here to see my **Portfolio.**

📄 Exsyt – Examination Analyst (In Progress) | *Python — LLM Pipelines — NextJS*   August 2025
- Built an automated question-paper generator using structured JSON to LLM pipelines, reducing manual drafting time by **70%**.
- Designed a modular frontend and backend API for faster, reliable paper creation using Next.js and FastAPI.
- Implemented difficulty tagging, section-based formatting, and improved LLM latency by **40%** with optimized tool-use.

🫁 PneumoAI – Pneumonia Detection System | *Python — FastAPI — ReactJS*   June 2025
- Developed a CNN-based classifier achieving **92% accuracy** on chest X-ray pneumonia dataset.
- Integrated real-time predictions via a FastAPI backend and React/Vite frontend, with response times under **500 ms**.
- Built noise-reduction and normalization pipeline improving model performance by **12%**.

💬 Sentysis – Twitter Sentiment Analysis | *Python — NLP — FastAPI*   August 2024
- Processed **1.6M tweets** through an NLP pipeline (tokenization, preprocessing, TF-IDF).
- Built multi-class sentiment classifier using Logistic Regression + XGBoost with **87% accuracy**.
- Developed REST API endpoints and visualization dashboard for real-time sentiment scoring and trend analysis.

🔗 LINKS AND REFERENCES

- ★ **Github Profile:** https://github.com/Adi15Jain
- ★ **Portfolio Link:** https://adijain-portfolio.vercel.app/
- ★ **LinkedIn Profile:** https://www.linkedin.com/in/adi-jain-73334724b/
- ★ **Kaggle Profile:** https://www.kaggle.com/adi15jain