

ABHINAV JAJOO

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ABOUT

Hi, I'm Abhinav Jajoo, a Computer Science student passionate about AI and innovation, driven by the belief that technology can solve real-world problems. I've built projects like sentiment analysis and deception detection, using data to craft meaningful solutions. I value teamwork, patience, and continuous learning in collaborative environments. I'm seeking an internship to grow my AI skills while creating a positive impact.

EXPERIENCE

Business Analyst Intern, FUDR

MAY 2024 – JULY 2024

- Researched client engagement strategies, increasing customer reach by 20%.
- Built a dataset of 600+ brands and 500 clients using web scraping.
- Developed a CRM management app to streamline client interactions. Designed a data-driven strategy to enhance client acquisition and retention.

KEY PROJECTS

Deception Detection Model

- Built a multimodal deception detection system using facial (MediaPipe), vocal (MFCC), and textual (BERT, SVM) features.
- Achieved 83% accuracy in text classification, 64% in facial and vocal analysis using KNN and SVM-RBF respectively.

Breast Cancer Detection using EfficientNet and Grad-CAM

- Developed a deep learning model using EfficientNetB0 to classify mammogram images into benign or malignant categories.
- Achieved 100% test accuracy on the CBIS-DDSM dataset with image preprocessing, data augmentation, and class balancing.
- Integrated Grad-CAM to visualize and interpret model predictions by highlighting important regions in the scans.
- Addressed challenges like data imbalance and training instability through cross-validation and fine-tuning.

Data pipelines for social media Sentiment Analysis

- Built a real-time sentiment analysis pipeline using Apache Airflow, NLP, and APIs (YouTube, Reddit).
- Processed unstructured data, classified sentiments using deep learning models, and stored results in MongoDB/PostgreSQL.
- Created interactive Power BI dashboards for insights into public opinion trends

KEY SKILLS

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| • Language- C, Python, JAVA | • Numpy, Pandas, | • NLP |
| • SQL | • Pyspark | |
| • Power BI | • Tensorflow, Keras | • Airflow,Spark |
| • Script Optimization | • Machine Learning | • Strategic Planning |

EDUCATION

Course	Institute	Year
B.Tech. Computer Science and Engineering	JK LAKSHMIPAT UNIVERSITY	2022 – 2026

CURRICULAR ACTIVITES

- Built a sensor-based Multi-Sensory Museum using Arduino; patent under process.
- Coordinated the annual Spardha sports fest at JKLU, managing event planning, and execution.
- 5 star at HackerRank in C and Java