

# LAKSHITA VYAS

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## OBJECTIVE

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Motivated Computer Science student specializing in data analysis and machine learning. Passionate about applying advanced techniques to derive actionable insights, enhance efficiency, and drive strategic advancements. Dedicated to solving real-world challenges through innovative, data-driven solutions.

## EDUCATION

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Jaipur Engineering College and Research Centre (JECRC) University

2021-2025

B. Tech in Computer Science Engineering, AI/ML Specialization

CGPA: 8.7/10.0

## PROJECTS

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Student Exam Score Prediction | [Link](#)

Aug 2024

- Developed a regression model achieving 85% accuracy in predicting exam scores, improving previous models by 15%.
- Enhanced model performance by 10% through advanced data preprocessing and feature selection techniques.
- Created a responsive frontend using Bootstrap, HTML, and CSS, boosting user interaction by 30%.

Comprehensive Movie Data Analysis and Visualization | [Link](#)

Feb 2024

- Analysed a dataset of 10,000+ movies, identifying key correlations between budget, gross earnings, and ratings.
- Produced visualizations (scatter plots, heatmaps) that highlighted significant trends and insights, leading to a 20% increase in stakeholder understanding of revenue drivers.
- Identified top 5 grossing companies, aiding industry analysis and strategic planning.

Visionary Infographica | [Link](#)

Mar 2024

- Built a data analysis tool that processed over 1,000 datasets, allowing users to filter and analyse data by date, region, and other criteria.
- Designed interactive charts and graphs, which improved data comprehension by 40% among users.
- Implemented data export features, facilitating the download of filtered and original datasets, which increased user satisfaction by 25%.

Advance Calculator | [Link](#)

July 2024

- Engineered a calculator supporting advanced functions like trigonometry and logarithms..
- Integrated real-time graphing capabilities, resulting in a 35% increase in user engagement with mathematical functions.
- Incorporated MySQL for storing calculation history, improving data retrieval speed by 20% and ensuring data persistence.

Jarvis – AI Voice Assistant | [Link](#)

Sept 2023

- Created a voice assistant for web searches and media playback with over 200 successful interactions.
- Added features like a voice-activated Rock Paper Scissors game and integrated Google Translate API, expanding functionality to support 10 languages.
- Utilized speech recognition and text-to-speech technologies for a natural, responsive experience, supporting hands-free operation.

## SKILLS

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- Programming Languages:** Python, C++ (Fundamentals), JavaScript (Fundamentals), HTML, CSS
- Databases:** MySQL
- Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Tkinter
- Core Concepts:** Object-Oriented Programming, Operating Systems, Database Management, Data Structures and Algorithms, Software Engineering
- Platforms & Tools:** Jupyter Notebook, Google Colab, GitHub, VS Code
- Technical Expertise:** Data Analysis, Machine Learning, Algorithm Optimization, GUI Development, Data Visualization, API Integration, Debugging, Troubleshooting, Prompt Engineering.
- Professional Skills:** Adaptability, Collaboration, Precision, Public Speaking, Time Management, Active Listening, Multi-tasking

## CERTIFICATIONS

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- Supervised Machine Learning: Regression and Classification [Coursera](#)
- Artificial General Intelligence: An Introductory Course [Udemy](#)
- Python for Data Science and Machine learning [Udemy](#)