

Yashvardhan Shrimal

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Summary

Motivated MCA student with hands-on experience in data analytics, Power BI dashboard development, machine learning, and computer vision. Skilled in transforming raw data into actionable insights using Python, DAX, and visualization tools.

Education

Master of Computer Application, JECRC University

Aug 2024 – Present

Bachelor of Computer Application, JK Lakshmipat University

Aug 2021 – 2024

INTERNSHIP

Web Developer, NULL Class

March 2023 – June 2023

- Built a Stack Overflow clone with features like user login, question posting, answering, and voting.
- Developed responsive front-end using HTML, CSS, and JavaScript.

Projects

Cricket Score Prediction

- Built a predictive model using XGBoost Regressor (**XGBRegressor**) to forecast the final T20 match score based on match features like overs, run rate, and wickets.
- Performed data preprocessing and feature engineering using Pandas and NumPy.
- Evaluated model accuracy using MAE and RMSE, achieving low prediction error.
- Technologies Used: Python, Pandas, Matplotlib, Scikit-learn

Image Resolution

- Designed a computer vision pipeline to enhance low-resolution images for applications like surveillance, medical imaging, and document analysis.
- Implemented interpolation techniques to upscale and smooth degraded image data.
- Explored machine learning-based super-resolution methods for improving image clarity and detail recovery.
- Utilized Python, OpenCV, and NumPy for efficient image processing and visualization.
- Technologies Used: Python, OpenCV, Google Cloud Vision

Power BI Dashboard

- Built an end-to-end Power BI dashboard involving data import, cleaning, modeling, and visualization.
- Created KPIs and DAX measures for business performance analysis.
- Designed interactive dashboards with slicers and dynamic visuals.
- Technologies Used: Power BI, Power Query, DAX, Data Visualization

Technical Skills

Languages: C++, Python, JavaScript

AI/ML: Machine Learning basics, XGB Boost, Model Training

Libraries: NumPy, Pandas, OpenCV, Scikit-learn, Matplotlib

Database: SQL

Soft Skills

Time Management, Quick Learner, Responsible, Adaptability

Achievements

Hackathon: Qualified for National India Hackthon in 2024