Rikesh Prajapati

Data Scientist

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SUMMARY

Data Scientist with **1** year of experience, specializing in **Machine learning**, **Deep learning**, and **Python**. Skilled in leveraging **SQL**, **OpenCV**, and **Pandas** to address complex **data processing** challenges. Proven track record in reducing manual processing time by **70%** and achieving **85%** accuracy in **automated** door detection systems, demonstrating the ability to **enhance efficiency** and **reliability**.

SKILLS

| Languages | Python | SQL |

Libraries Pandas | Numpy | Matplotlib | Scikit-Learn | OpenCV | EasyOCR

Hard Skills Machine Learning | Deep Learning | Computer Vision | Data Analysis | Model Evaluation | Natural Language Processing (nlp)

Tools VS Code | Jupyter Notebook | Git | LabelImg

Soft Skills Problem Solving | Team Collaboration | Research

WORK EXPERIENCE

Junior Data Scientist   Jul 2022 - Jul 2023

RapidOps Solution, Ahmedabad

- Developed a **door detection system** using **Python** and **computer vision techniques**, achieving an **85% accuracy rate** and reducing **manual processing time by 70%**.
- Implemented a **YOLO model** for precise door detection in PDF architecture files, utilizing **OpenCV** and **TensorFlow** to enhance **accuracy** and **system robustness**.
- Created an optimized **data extraction pipeline**, improving **efficiency by 80%** and reducing **errors by 70%**, by leveraging **Pandas** and **EasyOCR** to extract and process **door information**.
- Conducted comprehensive **testing** and **validation**, ensuring an **80% system reliability rate** and addressing potential issues through rigorous **data analysis** and **model evaluation**.

PROJECTS

Door Detection   Jul 2022 - Jul 2023

- Automated door identification in architectural floor plans using **computer vision**, reducing **manual effort by 70%**.
- Implemented a **YOLO model** for accurate door detection in PDF architecture files, achieving **85% accuracy**.
- Created an efficient pipeline for extracting door information using **EasyOCR** and **Regex**, increasing **data processing speed by 70%**.
- Communicated project results effectively to both technical and non-technical stakeholders and collaborated with a team of 4 members, enhancing **team productivity by 70%**.

CERTIFICATIONS

Data Science Pro - Fingertips Solution   Sep 2021 - Apr 2022

The Data Science Pro certification covered machine learning techniques including supervised and unsupervised learning, regression, classification, ensemble learning, as well as SQL and Tableau.

Python - Udemy   Sep 2022 - Feb 2023

The Python certification for data science included training in Python programming specifically tailored for data science applications.

Data Science & Machine Learning - Coding Ninjas   Jan 2024

The course covered Machine learning Classification (SVM, Decision trees, KNN, Logistic Regression, Naive Bayes) and Regression. It included Deep learning (ANN, CNN, RNN, LSTM, GRU), Ensemble learning (Bagging, Boosting, Stacking), and practical training in Python, Pandas, NumPy, Scikit-Learn, and advanced NLP techniques.

EDUCATION

Bachelor of ComputerMLSU   May 2018 - Jun 2021
Application: Computer
Applications

Senior SecondaryBSER   Jun 2016 - Mar 2018
Education: Science

ACCOMPLISHMENTS

- Won "Man of the Match" as an all-rounder in a college cricket tournament.
- Earned multiple badges on LeetCode.
- Received appreciation from team members for delivering presentations on technical topics.