

Pranita A

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PROFILE

Passionate Data Scientist with a strong academic foundation and practical internship experience in data transformation and analysis. Proficient in Python, machine learning, and data visualization. Committed to delivering data-driven solutions for complex challenges. Eager to apply expertise and drive innovation in a dynamic professional setting.

EDUCATION

Master of Science in Data Science (5 years Integrated)

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EXPERIENCE

Data Analyst Intern

Saint-Gobain Research India Private Limited

March 2022 – June 2023, Chennai

- Applied advanced data cleaning and standardization techniques to transform unstructured data into structured format.
- Developed a robust web application tailored to meet the needs of the client from coding to deployment.
- Created dashboards for Import-Export analysis, providing the organisation with a better knowledge of the data in Power BI.
- Forecasted the demand of the fabricated glass products using a time-series model.

PROJECTS

HELMET DETECTION AND NUMBER PLATE RECOGNITION

- *Key Concepts – Python, Image Processing, OpenCV, OCR, YOLOv3.*
- An automated system for detecting motorcyclists who don't wear helmet and retrieving those motorcycle number plates from video footage.
- Implemented Image processing techniques to separate the objects from background, and detected the number plates using Optical Character Recognition.

AUTOMATIC ESSAY GRADING

- *Key Concepts – Python, NLP, Feature Extraction.*
- Developed a classification model to automate grading of essays using Natural Language Processing to extract features and Machine Learning algorithms to predict scores, achieving a high correlation between human and automated scores.
- The model learns the trends that evaluators follow and predict the resolved score based on the essays.

SKILLS

TECHNICAL SKILLS

Database Management | Machine Learning Algorithms | Statistical Analysis | Image Processing | Data Analysis
Business Intelligence (BI) | Natural Language Processing | Microsoft Excel

SOFT SKILLS

Adaptability | Communication | Leadership | Time Management

INVOLVEMENT

Internship Coordinator

COIMBATORE INSTITUTE OF TECHNOLOGY • November 2021 – December 2022

- As an Internship coordinator played a role in facilitating and managing the internship program, ensuring a smooth experience for both the interns and the host organisation.

Podcast Host

KALAM KNOWLEDGE CLUB • November 2020 – November 2023

- As a Podcast Host, leveraged expertise in data science to create engaging and informative content for audience. Created podcasts during special occasions like Mother's day, Children's day by interviewing special guests.