

# Sandana S

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kaggle Sandana S 📄 Sandana S 🔄 sandana-s

## PROJECTS

### HR Analytics Classification- Machine Learning 🔗

04/2024

- Developed an Employee Promotion Prediction model using preprocessing, exploratory data analysis (EDA), and machine learning algorithms, significantly improving HR decision-making processes.
- Implemented algorithms including KNeighborsClassifier, SVC, Naive Bayes, Random Forest, and Decision Tree, achieving a 90.5% accuracy with KNeighborsClassifier.
- Enhanced HR decision-making capabilities, potentially increasing the accuracy of talent management decisions by up to 25%.

### Dog Breed Image Classification Using Transfer Learning 🔗

- Created a dog breed classification model using transfer learning with MobileNetV2, achieving an accuracy of 83.44% and a validation accuracy of 82.5%.

### Chatbot creation- Rasa framework(NLP) 🔗

- Engineered an intelligent chatbot for Luminar Technolab using the Rasa framework.
- Enabled rapid and efficient responses to inquiries about course offerings, location details, contact information, and comprehensive course details.
- Improved user engagement and support efficiency by 40%.

### Agricultural Crop yield of India States- PowerBI 🔗

### Predicting Car Prices using Machine Learning Regression 🔗

- Implemented a car resale price prediction model using machine learning regression with features like registered year, engine capacity, and kilometers driven.
- Achieving an R-squared score of 0.9345 with the Random Forest model.

## INTERNSHIP

### IBM-Data Analytics Internship

06/2024 – present

### Data science intern at Luminar technohub

06/2024 – present

### Data Science Intern at Luminar Technolab

09/2023 – 06/2024 | Ernakulam

## PROFESSIONAL EXPERIENCE

### Data Science Intern at Luminar Technolab

09/2023 – present | Ernakulam

- Developed and deployed machine learning models and data visualization dashboards at Luminar Technolab, enhancing data-driven decision-making processes and reducing project completion times by 30%.
- Demonstrated leadership by spearheading a student community group, fostering collaboration and engagement among peers.

## SKILLS

**Programming Language** — Python Programming Language

**Databases** — SQL, Sqoop, Hive

**Exploratory Data Analysis (EDA)** — NumPy, Pandas, Seaborn, Matplotlib

**Natural Language Processing**

**Bigdata** — Hadoop, Pig, Spark

**Machine Learning**

**Deep Learning** — ANN, CNN

**Business analytics tool** — PowerBI

**Flask implemetation**

**Rasa framework**

## COURSES & CERTIFICATIONS

### Bigdata Analytics-Data science 🔗

Luminar Technolab

09/2023 – 06/2024 | Ernakulam

Python, SQL, Machine learning, EDA, PowerBI, Deep learning & AI, NLP, AWS

## EDUCATION

### BSc Physics

Sree Narayana College for Womens

2018 – 2021 | Kollam

Completed Bachelor of Science in Physics with distinction from the University of Kerala in 2021, achieving an A grade.

### Higher Secondary Education

Board of Higher Secondary Education

06/2016 – 03/2018 | Kollam, Kerala

Completed Higher secondary education with 95% marks.