Rajesh Rana

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Work Experience

WEAI Labs

Artificial Intelligence Inter- Trainee

May 2021 - May 2022 | Chennai (Remote)

- Worked with leadership and engineering team to assist in data cleaning to build and debug the ML algorithms.
- Managed large databases and used various professional statistical techniques to collect, analyze, and interpret data from customers and partners.
- Collaborated with senior teams to work using Jupiter Notebook where the client gave 20 GBs of logistics data to analyze the period of invoices.
- Analyze, forecast, and build custom reports to make key performance indicators and insights based on data.

Projects

Driver Drowsiness Detection System with OpenCV & Keras

Mar 2022

- System will alert the driver when the eyes are closed. **OpenCV**, **Tensorflow** and **Pygame** are main libraries used.
- **Haar cascade files** from **OpenCV** for detecting the face and eyes of the person.
- We are using **CNN** classifier for predicting the eye status. Threshold of 15 used for alerting the driver.

Exploratory Data Analysis on Superstore Data

Feb 2022

- Created a database in **Microsoft SQL server** for Data Exploration, Data Cleaning of messy data which has increased the revenue of Superstore sales.
- Used Joins, Temp tables, Aggregate functions, data type conversions, and created views to explore data on the Cleaned data.
- Built dashboard in **Power BI** by reporting my findings like increasing profits and sales quarterly using various charts and KPIs.

Skills

Programming Languages

- Excel (VLOOKUP/HLOOKUP, Pivot Tables)
- SQL / PostgreSQL/Oracle /BigQuery
- DAX
- Python (Numpy, Pandas, Scikit-learn, Scipy, Seaborn, Tensorflow)

Data Visualization

- PowerBI, Tableau
- Python (Matplotlib, Seaborn, OpenCV)

Analytical Techniques

- Regression methods
- Ensemble Learning
- Clustering, Dimensionality Reduction
- Deep Learning, Computer Vision, NLP (Nltk, Spacy, TextBlob)

Soft Skills

- Self-management
- Strategic thinking, Active listening
- Conflict management and resolution

Education

B. Tech, Electrical and Electronics Engineering
GIET University

July 2017 - June 2021 | Gunupur, Orissa | 8.33 / 10

Awards

- Won 2nd position on GIETU Innovation Challenge 1.0 for Solar and Wind Hybrid Vehicle project.

12th - CBSE, Science
India International School

Apr 2016 - Mar 2017 | Asansol, West Bengal | 6.9/10

10th - CBSE
K.V.Asansol

Apr 2014 - Mar 2015 | Asansol, West Bengal | 7.4/10

Hobbies & Interests

- Artificial Intelligence
- Tech Savvy
- Current Affairs

Languages

- English - Expert
- Hindi - Expert
- Odia - Beginner