Tellamekala Tirupathi Rao

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Career Objective:

I am looking for a challenging job with a rapidly growing organization that can provide me with a range of goals and job objectives within a contemporary and economical business setting. An Excellent problem solver, capable of Analyze complex technical information and developing good, scaled projects. Seeking for a role to utilize my skills in real world applications for the growth of organizations and giving my best in the project's.

Education:

Qualification	Institution	University/Board	Year of Passing	Percentage
MCA	P.B. Siddhartha College of Arts and Science	Krishna University	2023	89%
BSC	Vasavi Degree College	Acharya Nagarjuna University	2021	93%
Intermediate	Sri Gudibandi Somireddy Jr college	Board of Intermediate	2018	95%
SSC	Sri Vivekanandha high school	Secondary school	2016	92%

Skills:
Operating Systems: Windows

Database: SQL Server, PLSQL,

Mongo Db, RDBMS

Internet Tools: SQL developer, Oracle Database,

Google Analytics, Google Drive

Languages: Python, R, ML, DL

Web Technologies: HTML, CSS,

JavaScript

Extra skills: MS Office (Excel, PowerPoint, Word), Team management, Good Communication Skill. Decision-making Problem-solving skills Excellent Communicator Interpersonal Communication.

Project Title: Road Lane Line Detection using Machine Learning

Road lane line detection is a computer vision and image processing technique used to identify and analyze lane markings on roads. The primary objective of lane line detection is to enhance road safety and enable advanced driver assistance systems (ADAS) and autonomous vehicles to navigate and stay within their designated lanes. Key points regarding road lane line detection are critical technology for enhancing road safety, enabling autonomous driving, and improving driver assistance systems. It involves the analysis of visual data, the extraction of lane markings, and the use of mathematical models to identify and track lanes on the road, making it a fundamental component of modern automotive technology.

Summary of Project:

- Lane line detection typically involves the analysis of images or video frames captured by cameras mounted on vehicles. These images or frames are processed to identify lane markings.

- Computer algorithms identify lane lines as distinctive features within the visual data. Common techniques involve edge detection, color filtering, and gradient-based methods.

- The Hough Transform is a fundamental technique used in lane line detection. It converts the points representing lane markings in image space into lines in Hough space, making it easier to detect straight lines in the image.

- A model, often a linear regression model, is fitted to the detected lane lines. This model provides information about the lane's position and orientation.

Training and Seminars:

I have undergone hands on RDBMS, SQL, PLSQL, Machine Learning, Deep Learning during the period from April 26th, 2023, to July 29th, 2023, and gained knowledge on concepts like Handling Outliers and Exploratory Data Analysis, Data Cleaning, Visualization. Creating plots to see where the outlier's percentile etc., withwhich I was able to complete a real time project.
(Road lane line detection) which was part of the training curriculum.

Internship Certificate: EduSkills

This is to certify that T. Tirupathi Rao, a dedicated and enthusiastic individual, completed an internship at **Celonis** in the capacity of **Virtual Internship** from [14-06-2022] to [28-09-2022]. Throughout this internship, Demonstrated a high level of commitment, professionalism, and a strong work ethic.

Certifications:

- R for Data Science (IBM)
- Data Visualization with Python (Cognitive class)
- Big data 101 (Cognitive class)
- IBM Cloud Essentials V3 (IBM)
- Spark Fundamentals (Great Learning)
- Communication Strategies for virtual age (Great Learning)

Personal Details:

Date of Birth   :   07-07-2000

Gender   :   male

Marital status   :   Single

Languages Known   :   English, Telugu, Hindi.

Nationality   :   Indian

Declaration:

I hereby declare that the details above are correct and true to the best of my knowledge.

Place: Vinukonda   **Signature**

                                                        Tirupathi Rao Tellamekala