POTHANA VENKATA MOULI MURAPAKA

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Portfolio: **pvmouliportfolio.vercel.app**

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY   Phagwara, Punjab
Bachelor of Technology   07 - 2019 – 06 - 2023
Major in **Computer Science**, Minor in **Data Science**
Cumulative GPA: 7.34/10
Relevant Coursework: Data Analytics, Machine Learning, Data Visualization

ADITYA JUNIOR COLLEGE   Palakol, Andhra Pradesh
Class XII - Intermediate   06 - 2018 – 04 - 2019

WORK EXPERIENCE

DATA SCIENCE INTERN   08 - 2022 – 11 - 2022
Innomatics Research Labs
- Accomplished diverse tasks encompassing data analysis, visualization, and building machine learning models, attaining a robust 96% accuracy on a dataset of 10,000+ records. Constructed an interactive web application utilizing Flask, HTML, and CSS to convey machine learning insights effectively.
- Managed end-to-end projects involving data preprocessing, feature engineering, and model development, achieving a high 96% accuracy on extensive data. Showcased proficient skills by translating machine learning findings into an intuitive web application for broader user engagement.

DATA SCIENCE & BUSINESS ANALYTICS INTERN
The Sparks Foundation   05 - 2022 – 06 - 2022
- Conducted thorough data analysis on extensive datasets exceeding 20,000 records. Utilized Python and advanced data manipulation techniques to extract meaningful insights, supporting data-driven decision-making.
- Successfully developed predictive machine learning models for classification and regression tasks, achieving impressive accuracy levels ranging from 90% to 94%. Leveraged cutting-edge algorithms to create accurate models, contributing to the optimization of business strategies.

PROJECTS

ATTENDANCE MARKING SYSTEM USING FACE RECOGNITION – (CAPSTONE PROJECT)
- Led a 4-person team to develop a face recognition application that captured and stored 100 photo samples of each student and tested with 50 students, fostering accurate attendance tracking.
- Engineered an automated system using Python, Tkinter, OpenCV, and a MySQL Database, optimizing attendance marking for educational institutions through efficient photo management.

RETAIL PRICE PREDICTION
- Engineered a predictive model using machine learning to anticipate house prices in Bangalore. Achieved 92% accuracy in predictions while analysing area, bedrooms, and bathrooms across a vast dataset of 13,000+ entries.
- Implemented the entire project lifecycle, including data refinement, feature enhancement, machine learning model creation, and deployment as a user-friendly Flask application on AWS, enabling streamlined house price predictions.

BIGMART SALES PREDICTION
- Led a data-driven project focused on leveraging regression analysis and advanced statistical techniques to predict the sales of the company Big Mart based on the historical data and attained with 95% accuracy.
- To estimate sales, this project required the cleaning of the data, EDA, feature engineering, dashboards with Power BI and development of machine learning models.

BANK TERM DEPOSIT
- Utilized Python and diverse machine learning techniques to achieve 96% accurate customer enrollment forecasting on a 10,000-record dataset, enhancing data-driven decision-making.
- Supervised project phases, including feature selection, Excel data analysis, and advanced predictive modeling, achieving 96% accuracy in predicting customer subscription behavior.

TECHNICAL SKILLS

Coding Languages: C, C++, Python, Machine Learning, Deep Learning, HTML, CSS
Tools: Excel, Tableau, Power BI, VS Code, MySQL, Oracle
Certifications: Google Data Analytics Professional Certificate, Data Science from Internshala
Conferences/Achievements: ICCS - 2023 Project Conference
Languages: English, Hindi, Telugu (Native)