Data Analyst/ Data Scientist

AMIT SINGH PARIHAR

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GitHub: https://github.com/amitsinghparihar1/Data_Science_Projects

SKILLS

- Machine Learning
- SQL
- Python
- Statistics
- Deep Learning
- Power BI
- Flask
- Data Analysis
- Communication
- Adaptability
- Teamwork
- Negotiation Skills

PROJECTS

DEEP LEARNING ANN Model – Personal Project - Customer Churn Prediction — September 2023

- Goal: Developed an Artificial Neural Network (ANN) model to predict customer churn in a business setting.
- Utilized historical customer data, including behavior, demographics, and interaction history.
- Results: Achieved model stability with a training loss of 0.3189 and accuracy of 0.8629.

CNN IMAGE CLASSIFICATION - Personal Project - Dog vs. Cat — October 2023

- Goal: Developed a Convolutional Neural Network (CNN) model with the primary aim of achieving precise image classification, distinguishing between dogs and cats.
- Results: Demonstrated exceptional performance with a training loss of 0.0786 and training accuracy of 96.85%.
- These results underscore the model's outstanding ability to accurately classify dog and cat images.

WORK EXPERIENCE

Samatrix Consulting Private Limited- intern — Jul 2023 - Jul 2023 (1 month)

FLIGHT FARE PREDICTION – Internship Project — July 2023

- Successfully handled a challenging project with categorical independent features.
- Employed Label Encoder and One-Hot Encoding to convert categorical data into numerical values.
- Demonstrated the ability to manually handle data conversion without relying on external libraries.

INTERNPE – intern — Aug 2023 – Sept 2023

CAR PRICE PREDICTION – Internship Project — August 2023

- Explored car listings dataset for insights.
- Cleaned and preprocessed data for modeling.
- Visualized trends and relationships.
- Prepared data for future machine learning.
- Evaluated model performance using Mean Squared Error (MSE), Mean Absolute Error (MAE).

BREAST CANCER PREDICTION – Internship Project — September 2023

- Goal: Classify breast masses as malignant or benign using machine learning.
- Dataset: Included unique IDs, diagnosis labels ('M' for malignant, 'B' for benign), and ten features from cell nuclei in breast mass images.

- Model Evaluation: Employed random forest and decision tree classifiers with 90% accuracy.
- Best Performer: Logistic regression, achieving a superior 97% recall rate for early cancer detection.
- Significance: Demonstrated the importance of model selection in medical diagnosis.

PIMA INDIAN DIABETES PREDICTION – Internship Project September 2023

- Objective: Predict diabetes in Pima Indian females aged 21+ using medical data.
- Dataset: National Institute of Diabetes data with key variables, e.g., Glucose, BMI.
- Impact: Improve healthcare by early diabetes detection and personalized treatment.
- Key Insights: Factors affecting diabetes risk: Glucose, pregnancies, skin thickness, insulin, BMI.
- Model Performance: Decision Tree Classifier outperformed others with 77% accuracy.
- Opportunity: Enhanced accuracy with larger datasets; current dataset had 768 rows.

EDUCATION

LNCTU (Bhopal)
Bachelor of Computer Applications (BCA) with Specialization in AI/DA
- Expected Graduation: June 2024
- Percentage/CGPA: 8.08 (1st – 4th Sem)

Bonanza Convent Higher Secondary School (Satna)
Science
- Percentage/CGPA: 63%

LICENSES & CERTIFICATIONS

- Data Analytics and Visualization Virtual Experience – Accenture
- British Airways Data Science - British Airways
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Statistical Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Foundation to AI Data Science & Data Analysis)