Data Analyst/ Data Scientist

AMIT SINGH PARIHAR

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SKILLS

- Machine Learning
- SQL
- Python
- Statistics
- Deep Learning
- Power BI
- Flask

- Data Analysis
- Communication
- Teamwork
- Negotiation Skills

PROJECTS

DEEP LEARNING ANN Model – Personal Project - Customer Churn Prediction   September 2023
- Objective: Successfully crafted an Artificial Neural Network (ANN) model dedicated to forecasting customer churn within a corporate context.
- Approach: Leveraged extensive historical customer data encompassing behavioral patterns, demographic information, and interaction records.
- Outcomes: Demonstrated proficiency by attaining model stability, reflected in a training loss of 0.3189 and an impressive accuracy rate of 0.8629.

CNN IMAGE CLASSIFICATION - Personal Project - Dog vs. Cat   October 2023
- Objective: Engineered a cutting-edge Convolutional Neural Network (CNN) model to achieve high-precision image classification, specifically distinguishing between dogs and cats.
- Achievements: Delivered exceptional results, highlighted by an impressively low training loss of 0.0786 and an outstanding training accuracy of 96.85%. These outcomes underscore the model's remarkable proficiency in accurately categorizing dog and cat images.

WORK EXPERIENCE

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

FLIGHT FARE PREDICTION – Internship Project
Key Achievements:
- Effectively managed a complex project featuring categorical independent features.
- Utilized advanced data preprocessing techniques, including Label Encoder and One-Hot Encoding, to transform categorical data into numerical values.
- Demonstrated strong proficiency in manual data conversion, showcasing the ability to handle these tasks independently without the reliance on external libraries.

INTERNPE – intern   Aug 2023 – Sept 2023

CAR PRICE PREDICTION – Internship Project
- Thoroughly analyzed a car listings dataset to extract valuable insights.
- Successfully executed data cleaning and preprocessing procedures to prepare the data for modeling. Skillfully visualized data to identify trends and relationships, facilitating data preparation for future machine learning tasks.
- Proficiently evaluated model performance using industry-standard metrics, including Mean Squared Error (MSE) and Mean Absolute Error (MAE).

BREAST CANCER PREDICTION – Internship Project
- Objective: Employed machine learning techniques to effectively classify breast masses as malignant or benign.
- Dataset: Analyzed a comprehensive dataset containing unique IDs, diagnosis labels ('M' for malignant, 'B' for benign), and ten distinct features extracted from cell nuclei in breast mass images.

- Model Evaluation: Demonstrated proficiency by utilizing random forest and decision tree classifiers, achieving a commendable accuracy rate of 90%. Moreover, employed logistic regression, which yielded exceptional results with a superior recall rate of 97% for the early detection of cancer.

PIMA INDIAN DIABETES PREDICTION – Internship Project

- Objective: Implemented predictive modeling to identify diabetes risk in Pima Indian females aged 21 and above using pertinent medical data.
- Key Insights: Uncovered significant factors influencing diabetes risk, including glucose levels, pregnancy history, skin thickness, insulin levels, and body mass index (BMI).
- Model Performance: Achieved notable results by employing a Decision Tree Classifier, which demonstrated superior performance with an accuracy rate of 77%, contributing to the effective identification of diabetes risk.

EDUCATION

LNCTU (Bhopal)
Bachelor of Computer Applications (BCA) with Specialization in AI/DA
- Expected Graduation: June 2024
- Percentage/CGPA: 8.08 (1st – 4th Sem)
BONANAZA CONVENT HIGHER SECONDARY SCHOOL (Satna)
PCM
- 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 & DataAnalysis)