Abhiram Sreekumar

Aspiring Data Scientist | Machine Learning | Deep Learning | Data Analytics

Contact Information

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Career Objective

Aspiring Data Scientist with a strong foundation in Machine Learning (ML), Deep Learning (DL), and Data Analytics. Passionate about leveraging statistical modeling, Python, SQL, and data visualization to drive data-driven decision-making. Seeking a role that fosters continuous learning and professional growth in a dynamic environment.

Skills

- **Programming & Data Analysis**: Python (Pandas, NumPy, Seaborn, Matplotlib), SQL (PostgreSQL)

- **Machine Learning & Deep Learning**: Scikit-learn, PyTorch

- **Data Visualization**: Power BI

- **Statistical Analysis**: Hypothesis Testing, Regression, Time Series Analysis

- **Big Data & Databases**: SQL Query Optimization, Data Wrangling.

Projects

Heart Disease Prediction using Machine Learning

- Developed a predictive model for heart disease detection using classification algorithms.

- Evaluated ROC curves, Recall scores, and feature correlation.

- Technologies: Python (Scikit-learn), Pandas, NumPy, Seaborn.

Spam Email Detection using NLP & Machine Learning

- Implemented vectorization techniques (TF-IDF, Count Vectorizer) to classify spam emails.

- Achieved high accuracy using Logistic Regression & Naïve Bayes classifiers.

- Technologies: Python, Scikit-learn, Natural Language Processing (NLP).

Handwritten Digit Recognition using Deep Learning

- Designed a Convolutional Neural Network (CNN) for handwritten digit recognition.

- Trained model using MNIST dataset, achieving high accuracy.

- Technologies: PyTorch, Deep Learning.

Pneumonia Classification using Deep Learning

- Built a deep learning model to classify pneumonia cases based on chest X-ray images.

- Evaluated model performance using Precision, Recall, and F1-score.

- Technologies: PyTorch, CNN, Computer Vision.

Education

Master of Science (Statistics)

Pondicherry University, India | 2021 - 2023

Bachelor of Science (Statistics)

Pondicherry University, India | 2018 – 2021

References

Dr. Vishnu Vardhan

Professor, Department of Statistics, Pondicherry University Email: vvardhan.sta@pondiuni.ac.in