Abhiram Sreekumar

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Career Objective

Aspiring Data Scientist passionate about using statistical models, ML/DL, and Python to solve complex problems. Interested in roles that encourage creativity, learning, and real-world impact.

Skills

- Programming & Data Analysis: Python (Pandas, NumPy, Seaborn, Matplotlib), SQL (PostgreSQL)
- Machine Learning & Deep Learning: Scikit-learn, PyTorch, CNNs, LangChain, Llama 3.1
- Data Visualization: Power BI, Streamlit
- Statistical Analysis: Regression, Hypothesis Testing, Time Series Analysis
- Tools: Jupyter, Git, Streamlit, ChromaDB

Projects

Cold Email Generator (Gen-AI)

AI-based email generation tool built with Llama 3.1 and Streamlit, integrates past projects for personalized outreach.

• Used LangChain + ChromaDB to dynamically pull and relate portfolio data.
• Created intuitive front-end with Streamlit.
• Streamlined outreach workflow for consulting/freelance roles.

Heart Disease Prediction

Built a machine learning model to predict heart disease using clinical data.

• Trained ML classifiers on health datasets.
• Visualized ROC curves, feature importance, and recall scores.

Spam Email Detection (NLP)

• Used TF-IDF & CountVectorizer to process email datasets.
• Trained Logistic Regression and Naïve Bayes models.

Handwritten Digit Recognition

• Developed CNN with PyTorch on the MNIST dataset.
• Achieved high accuracy and fast inference.

Pneumonia Classification

Developed a deep learning model using CNNs to classify pneumonia from chest X-ray images

• Processed chest X-ray images using a CNN model.
• Evaluated performance using precision, recall, and F1-score.

Education

M.Sc. in Statistics, Pondicherry University | 2021 - 2023

B.Sc. in Statistics, Pondicherry University | 2018 - 2021

References

Dr. Vishnu Vardhan
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