Pragya Vijay

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INTERNSHIP

Data Science and Machine Learning Intern - *CodeAlpha*   January 2025 - February 2025
- Executed comprehensive data analysis to extract actionable insights, enhancing decision-making processes.
- Developed and implemented predictive models to tackle real-world business problems, boosting project outcomes and efficiency.
- Leveraged tools like Python, SQL, and Excel to manipulate, transform, and visualize complex datasets, driving data-informed solutions.

PROJECTS

ImageClassify – Image Recognition using CIFAR10   - February 2025

https://github.com/PragyaVijay1222/CNN_Project

- Constructed and trained a convolutional neural network to classify images from the CIFAR10 dataset, achieving a high level of 96% accuracy.
- Learned skills while developing the project that includes data processing, cleaning, model training, and feature engineering.
- Applied image recognition techniques.
- Tech: Python [CNN, Torch, TorchVision, Pillow]

BookBot– Chat Bot for a Book Store Business   - January 2025

https://github.com/PragyaVijay1222/Machine-Learning-Projects/tree/main/ChatBot

- Engineered and launched a chatbot for a bookstore using NLP, resolving 80% of customer inquiries autonomously and recommending an average of 3 books per interaction, increasing user engagement.
- Internalized deep learning, data augmentation, and model optimization techniques.
- Integrated natural language processing (NLP) for enhanced user interactions and improved customer experience.
- Tech: Python [Numpy, JSON, Pickle, nltk, TensorFlow]

RidePricePredict– Uber Data Analysis   - November 2024

https://github.com/PragyaVijay1222/Uber-Data-Analysis-And-Prediction

- Developed and deployed a ML algorithm analysis on predicting the rise and fall of ride price.
- Acquired skills while developing the project that includes data processing, cleaning, model training, and feature engineering.
- Explored machine learning algorithms.
- Tech: Python [Matplotlib, Seaborn, Pandas, Numpy]

CERTIFICATES

- Data Visualization: Empowering Business with Effective Insights, *by TATA, Forage*   - February 2025
- Supervised Machine Learning: Regression and Classification, *by Stanford University, Coursera*   - November 2024
- Data Science Using Python, *by NPTEL*   - October 2024
- Introduction To large Language Models, *by Google Cloud, Coursera.*   - May 2024
- ChatGPT- Advance Data Analysis,*by Vanderbuilt University, Coursera*   - May 2024
- Build AI apps with ChatGPT, Dall-E, and GPT-4, *by Scrimba, Coursera*   - May 2024
- Generative AI with Large Language Module, *by Amazon, Coursera*   - April 2024

ACHIEVEMENTS

- Solved more than 300 questions in LeetCode
- Earned multiple badges for Data Science including SQL, Pandas and mathematics in LeetCode
- Competed in multiple Kaggle competitions, consistently improving overall ranking and honing data science and machine learning skills.
- Gained 5 stars in Hackerrank for Python

SKILLS

T echnical Skills- Python, R, MS Excel, Tableau, Power BI, Git , JAVA, Automata, DSA, SQL, BigData

Libraries - Torch, TorchVision, Numpy, Panda, TensorFlow, Matplotlib, Seaborn, Scipy, Natural Language Toolkit, Scikit-Learn, Keras, Pillow

Soft Skills- Problem-Solving, Team Work, Project Management, Adaptability, Communication

EDUCATION

Lovely Professional University   Phagwara, Punjab
  Bachelor of Technology - Computer Science and Engineering; CGPA: 7.27   August 2022 - Present

DAV Public School Hehal   Ranchi, Jharkhand
  Intermediate; Percentage: 93%   - March 2021

DAV Public School Hehal   Ranchi, Jharkhand
  Matriculation; Percentage: 94%   - March 2018