



Nithin Aparadapu

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Projects

House Price Prediction Using Machine Learning | Scikit-Learn, Pandas, Seaborn

Aug-Dec 2024

- Built a predictive model to estimate house prices using historical data, applying machine learning techniques to identify key factors influencing property values.
- Conducted Exploratory Data Analysis (EDA) to detect correlations between property features and price fluctuations.
- Trained and optimized models, including Linear Regression, Decision Trees, to enhance prediction accuracy.
- Implemented feature engineering techniques to improve model performance and reduce overfitting.
- GitHub Repository Link: <https://github.com/nithin282004/House-Price-Prediction.git>

Diabetes Prediction Using Machine Learning | Python, Scikit-Learn, Pandas

Jun– Jul 2024

- Developed a predictive model to assess diabetes risk using health metrics and lifestyle data, leveraging machine learning algorithms for early diagnosis and preventive healthcare.
- Applied Exploratory Data Analysis (EDA) to identify key risk factors, handle missing data, and improve model accuracy.
- Trained and evaluated multiple models, including Logistic Regression, Decision Trees, and Random Forest, achieving an accuracy of 85%.
- Visualized key insights using Matplotlib and Seaborn, for better interpretability of model results.
- GitHub Repository Link: <https://github.com/nithin282004/Diabetes-Prediction.git>

Summer Training

Complete Data Science and Machine Learning Program | GeeksforGeeks

June- July 2024

- About: Completed an extensive training program covering machine learning, deep learning, data analysis.
Gained hands-on experience in building predictive models and optimizing machine learning workflows.
- Tech stacks used: Python, Scikit-Learn, TensorFlow, Pandas, Matplotlib, SQL.

Certificates

- Supervised Machine Learning
Coursera — <https://coursera.org/share/ab87f0098a6b675c985a39cf3aabcc05> July 2024
- AI and Machine Learning
LinkedIn Learning — Certificate ID: a78df438bf10c1414c40b612a37d50a0e6c29143323d7277d9e85a9a05d735cf February 2023

Technical Skills

- Languages: Python, Java, SQL
- Tools: Git, GitHub, Ubuntu, Docker, Power BI, TensorFlow.
- Skills: Data Structures and Algorithms, Problem-Solving.

Education

- Lovely Professional University Punjab
Computer Science and Engineering — CGPA: 7.5 2022 – Present
Jalandhar, Punjab
- Narayana Collage
12th — Percentage: 95.50% 2020 – 2022
Hyderabad, Telangana
- Geethanjali Digi School
10th — CGPA: 10 2019 – 2020
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