



BALAJI S

CONTACT

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SKILLS

- Python with libraries
- Sql
- Machine learning
- Data visualization
- Project management
- Critical thinking
- Team collaboration

LANGUAGES

- English
- Tamil

PROFILE

Dynamic Machine Learning intern at Technohacks Solutions Pvt. Ltd., adept at leveraging Python and machine learning to develop a linear regression model for house price prediction. Demonstrated critical thinking and project management skills to enhance data quality and model performance, empowering stakeholders to make informed real estate decisions.

PROJECT EXPERIENCE

INTERNSHIP

Technohacks Solutions Pvt. Ltd, Nashik, Maharashtra

Project: House Price Prediction (Machine Learning)

"Developed a linear regression model to predict house prices based on key features, including location, area, and amenities. The model aims to assist buyers and sellers in making informed pricing decisions in the real estate market. Addressed challenges of data quality by cleaning data and handling missing values, performed feature engineering to create meaningful features, and mitigated model overfitting using regularization techniques to improve generalization."

ACADEMIC PROJECT

Project: Credit Card Fraud Detection (Machine Learning)

"Developed a logistic regression model for credit card fraud detection. The project involved loading and analyzing an imbalanced dataset of credit card transactions, which was balanced using a sampling technique to ensure an equal representation of legitimate and fraudulent cases. Features were standardized with StandardScaler to enhance model performance. The dataset was then split into training and test sets, and the logistic regression model was trained and evaluated, with the final step being the calculation and reporting of the model's accuracy on the test data."

AI PROJECT

Project: Chat Bot (AI)

"Developed a chatbot interface using Streamlit to facilitate user interaction with an AI assistant. The application leverages LangChain to manage the conversational flow, employing an Ollama-hosted language model (llama3.2:1b) to process user queries and generate responses. The system takes user input via a text box, passes it through a LangChain chain, and displays the AI-generated response in real-time within the Streamlit application."

EDUCATION

S.A.Engineering College, Chennai Tamilnadu
BACHELOR OF ENGINEERING CSE (CGPA-7.4)

St. Vincent's Matric Higher Secondary School, Chennai, Tamilnadu
12th Grade Computer Science (TNBSE); Percentage: 75%