Keshav Bajwa

AI/ML Enthusiast

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Summary

Motivated B.Tech Computer Science student with a strong passion for Artificial Intelligence and Machine Learning. Hands-on experience in developing and deploying end-to-end ML projects using Python, Scikit-learn, and Streamlit. Proven ability to work with data processing, model building, and creating interactive web applications. Seeking an entry-level AI/ML role to contribute technical skills and grow within a innovative team.

Technical Skills

Python, SQLite3, MySQL, MongoDB, Pandas, NumPy, Scikit-learn, TensorFlow/Keras, Streamlit, GitHub, Vercel, Render

Projects

House Price Prediction

- Developed an end-to-end machine learning web application to predict real estate prices using a trained regression model achieving high accuracy on test data
- Engineered and selected key features including area, bedrooms, bathrooms, stories, parking spaces, and furnishing status to accurately estimate property values
- Performed extensive data preprocessing including handling missing values, encoding categorical variables, and feature scaling to optimize model performance
- Experimented with multiple regression algorithms (Linear Regression, Decision Trees, Random Forest) and selected the best performing model based on evaluation metrics

Placement Eligibility Application

- Designed a comprehensive student placement tracking dashboard with complete student data management and skill analysis capabilities for educational institutions
- Created placement status tracking functionality recording company details, package offered, and placement date for placed students
- Integrated SQLite3 database for efficient data handling and persistence with CRUD operations for student records management
- Used Faker library for generating realistic sample datasets for testing and demonstration purposes with 100+ student records

Brain Tumor MRI Image Classification

- Developed a deep learning application to classify brain MRI images into four categories: Glioma, Meningioma, Pituitary tumor, and No Tumor with high classification accuracy
- Trained Convolutional Neural Network (CNN) models using a comprehensive brain MRI dataset (Dataset Link) containing thousands of labeled medical images from multiple sources
- Deployed an interactive Streamlit web application for real-time tumor prediction from uploaded MRI images with confidence scores and visual explanations
- Created a user-friendly interface with image preview functionality and detailed prediction breakdown to assist with medical diagnosis and decision support

Education

JS University **2023 – 2027 (Expected)**
Bachelor of Technology in Computer Science & Engineering *CGPA: Pursuing*

HCL GUVI **May 2025 – October 2025**
Artificial Intelligence and Machine Learning