Ojas Patil

[LinkedIn](#) [Email](#) [GitHub](#)

EXPERIENCE

ML executive: Google DSC PCCOE   **Sep. 2023 - Present**

In my capacity as an executive member, I am responsible for organizing and overseeing events focused on machine learning and deep learning. These activities aim to enhance the skill sets of PCCoE students.

Social Media Marketing: International Relations Cell   **Sep. 2023 - Present**

Currently serving as a social media marketing member, actively promoting awareness about higher education among students and coordinating informative sessions on the subject.

EDUCATION

PCET Pimpri Chinchwad College of Engineering   **Pune, India**

B. Tech: Information Technology   **Nov. 2022 – Present**

CGPA: 8.38 / 10

PROJECTS

Bitcoin Price Prediction

Developed a Python-based deep neural network to forecast the closing price of Bitcoin by day's end. Employed ReLU activation and the Adam optimizer during training, evaluating prediction accuracy through sklearn's R2 score, achieving a score of 99.43%.

Housing Prediction

Constructed a regression model both from scratch and utilizing the sklearn's linear regression library. The model was designed to assess the accuracy of housing price predictions using noisy data incorporating features such as the number of bedrooms, lot size, etc. Achieved an R2 score of 53.47% for the model built from scratch and 53.5% for the model constructed using the sklearn Regression library.

Plant image Classification

Developed a Deep Convolutional Network using TensorFlow to classify plant images into 40 distinct classes. Implemented data augmentation to address data scarcity and trained the model with a structured architecture comprising three convolutional layers (Conv-Pool-Conv-Pool-Conv-Pool-Fully-connected). Additionally, applied transfer learning using the VGG16 architecture. Achieved an accuracy of 78% without transfer learning and 96% with transfer learning.

KYC Registration Chatbot

Developed a chatbot designed to address user queries concerning KYC (Know Your Customer). Implemented BERT as a transformer architecture and trained the model using the Stanford Question Answering Dataset (SQuAD).

BMI Classifier

Developed a machine learning model to predict the weight class of individuals, incorporating a random forest approach based on factors such as age, height, and weight. Trained the model using the sklearn Random Forest Classifier on a Kaggle-imported dataset. Additionally, employed a Deep Neural Network (DNN) architecture for training, utilizing ReLU and Softmax activation functions, along with the Adam optimizer.

SKILLS

Computing Languages: Python, C, R
Machine Learning Libraries: NumPy, Pandas, Matplotlib, SK-learn
Deep Learning Platform: TensorFlow, PyTorch
Language: English, Hindi, Marathi