

About me

I am an **AI enthusiast** with a strong background in **Python**, **machine learning**, and **deep learning**. I have hands-on experience developing intelligent systems and enjoy **solving complex problems** by turning data into useful insights. I work well in **team environments** and am always eager to learn more in the fast-growing AI and DL fields. My projects focus on **model optimization**, **data exploration**, and **neural networks**. I believe AI has the power to change industries and am excited to contribute to **meaningful projects**. Outside of work, I enjoy **coding challenges** and connecting with the tech community.

Technical Stack

Programming Languages: Proficient in Python, with experience in libraries such as NumPy, Pandas, and Matplotlib.

Machine Learning: Familiarity with machine learning algorithms and frameworks, including Scikit-learn and TensorFlow.

Data Analysis: Experience in data cleaning, preprocessing, and exploratory data analysis (EDA) using tools like Pandas and Seaborn.

Artificial Intelligence: Knowledge of AI concepts and techniques, including neural networks and deep learning.

Web Development: Basic understanding of HTML, CSS, JS, React.

Version Control: Proficient in using Git for version control and collaboration on projects.

Data Visualization: Skills in creating visualizations to effectively communicate insights using tools like Matplotlib and Tableau.

Databases: Experience with SQL for data querying and manipulation.

Education

Python AI
Qtree Technologies,
Gandhipuram,
Coimbatore - 641012

B.E.(ECE) – 73%
KSR IET College
K.S.R.Kalvi Nagar,
Tiruchengode - 637 215

HSC - 60%
G.H.S.School
Mylambadi,
Bhavani,
Erode - 638 314

SSLC - 80%
G.H.S.School
Mylambadi,
Bhavani,
Erode – 638 314

Projects

Python Mini Projects

BMI Calculator & Health Stats Visualizer
Developed a user-friendly application that calculates BMI and visualizes health statistics, enabling users to track their BMI over time.

Virat Kohli Quiz Game
Created an interactive quiz game to test users' knowledge about cricketer Virat Kohli through engaging multiple-choice questions. The game tracks scores and provides feedback.

Weather App
Built a weather application that provides real-time updates based on user-entered locations, displaying current conditions, forecasts, and additional climate data.

ML Projects

Iris Flower Classification
Build a model to classify iris flowers into different species based on petal and sepal dimensions. This project demonstrates basic classification techniques like KNN and Decision Trees.

House Price Prediction
Predict house prices using features like size, location, and number of rooms. Learn linear regression and feature engineering in this practical project.

Customer Segmentation with K-Means
Group customers into segments based on their purchasing behavior using unsupervised learning and K-Means clustering.

DL Projects

Image Classification (CIFAR-10)
Build a CNN model to classify images into 10 categories, including airplanes, cars, and animals from the CIFAR-10 dataset.

Sentiment Analysis with RNN
Analyze the sentiment of movie reviews (positive/negative) using Recurrent Neural Networks (RNN) or LSTM-based models.

Predicting Loan Approval with Artificial Neural Networks (ANN)
Develop an Artificial Neural Network to predict loan approval based on features like income, credit score, and employment history. This project helps understand feedforward neural networks and classification techniques.