VASANTHA RAJ

ML ENGINEER COIMBATORE, INDIA (+91) 9443884738

∘ DETAILS ∘

Coimbatore
India
(+91) 9443884738
vasanthraj679@gmail.com

∘ LINKS ∘

LinkedIn

∘ SKILLS ∘

- Python
- Java
- Machine Learning
- Deep Learing
- Scikit-Learn and TensorFlow
- Git and GitHub
- Streamlit Cloud
- Docker

∘ LANGUAGES ∘

English

Tamil

PROFILE

- Detail-oriented and motivated **ML Engineer** with expertise in **developing and deploying machine learning models** to drive impactful business solutions. Proficient in **data collection, cleaning, and preprocessing**, ensuring high-quality datasets for analysis.
- Skilled in applying various **machine learning algorithms** and **statistical modeling techniques** to enhance AI capabilities and optimize performance. Strong background in **Python programming** and **data analysis**, with a passion for leveraging data insights to solve complex problems and contribute to innovative projects.

EMPLOYMENT HISTORY

Machine Learning Intern at Prodigy InfoTech, Mumbai, India
October 2024 — November 2024

- Completed high-level coding in Python and Java Identified trends in large datasets with application of analyses to supply chain
- Boosted design and deployment success by incorporating advanced machine learning techniques from latest research.

Python Developer Intern at CodeSoft, Kolkata, West Bengal, India
February 2024 — March 2024

- Tested and improved code coverage for various repositories.
- Collaborated with senior developers on various software projects.

EDUCATION

B.Tech Artificial Intelligence and Data Science (Pursuing), Sri Krishna College of Technology, Coimbatore, Coimbatore
September 2023 — July 2028

HSC, ST.Paul Matriculation Higher Secondary School, Cuddalore
July 2022 — March 2023

SSLC, ST.Paul Matriculation Higher Secondary School, Cuddalore
July 2020 — March 2021

PROJECTS

Plant Diseases Prediction using CNN

Developed a CNN-based model to detect and classify plant diseases from leaf images. Preprocessed data, applied augmentation, and optimized the model for accuracy.

Multiple Diseases Prediction using Machine Learning

Developed a predictive model to identify diseases such as **diabetes**, **heart disease**, and **Parkinson's disease** using patient data. Utilized algorithms like **Logistic Regression**, **Random Forest**, and **SVM** while applying **feature selection** and dataset preprocessing.

Spam Mail Prediction System

Developed a machine learning model to classify emails as spam or non-spam using algorithms like Naive Bayes and SVM. Applied text preprocessing techniques, including tokenization and TF-IDF vectorization. Achieved over 95% accuracy, enhancing email filtering efficiency.

House Price Prediction

Developed a regression-based machine learning model using Linear Regression and Random Forest to predict house prices based on features like location, area, and rooms. Preprocessed data and applied feature scaling to achieve high accuracy with Python and Scikit-learn.

Salary Prediction Model

Developed a machine learning model using Linear Regression and Decision Trees to predict salaries based on experience, education, and job role. Preprocessed data and optimized model performance with Scikit-learn, achieving accurate salary forecasts.

COURSES

Python , Guvi

Python for Data Science and AI, IBM

Python for Data Science, IBM

Python for AI Coding, Coursera