Prathamesh Palatshaha

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⬡ LeetCode ▦ HackerRank 🔗 Website

Profile

Curious mind, driven by problem-solving and continuous learning.

Professional Experience

Machine Learning Intern   2024 Apr – 2024 Jul
Innoshri Pvt Ltd   Pune

- Developed a fault detection prototype for Air Handling Units (AHUs) during a Machine Learning internship.
- Led the entire development process, from data collection and preprocessing to model selection and evaluation.
- Used effective ensemble methods to achieve up to 99.85% accuracy, high precision and recall, and strong ROC-AUC scores.

Education

B.E Computer Engineering with Honours in Data Science   2021 – 2025
Vidyalankar Institute of Technology   Mumbai, Maharashtra
CGPA: 9.51

Skills

Languages
Proficient in: Python, SQL
Familier with : C, C++, Java, HTML

Core Subjects
Data Structures, Algorithms, Operating System, Computer Networks, Database Management, Artificial Intelligence, Machine Learning

Tools and IDE
Scikit-Learn, Pytorch, Tensorflow, Git-Github, Pycharm, Canva, VS Code, Jupyter Notebook/Lab, Google Colab, Linux, Virtualbox,

Languages

- English
- Marathi
- Hindi
- Gujarati

Academic Projects

Malware Detection ⧉
Using Machine Learning and Neural Networks

- Developed ML and DL models to classify attributes as malware or benign using a mix of static and dynamic features.
- Achieved AUC of 1.0 and 99.83% accuracy on the validation set using a neural network model.
- Evaluated multiple ML models, achieving high performance:
  Random Forest: 100% accuracy, 1.0 F1-score,
  Decision Tree: 99.98% accuracy, 0.9998 F1-score
  Logistic Regression: 99.89% accuracy, 0.9989 F1-score
  SVM: 99.86% accuracy, 0.9986 F1-score

Titanic Dataset Survival Prediction ⌁

- Engineered a logistic regression model predicting Titanic survival using Kaggle data.
- Language and Frameworks**:** Python, pandas, scikit-learn, matplotlib, seaborn.

Certificates

Machine Learning Specialization ⌁

by DeepLearning.AI

Neural Network And Deep Learning ⌁

by DeepLearning.AI