Prathamesh Palatshaha

prathamesh.palatshaha@gmail.com +91 8879959383 Mumbai, India LinkedIn
GitHub 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,

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.

Languages

- English
- Hindi
- Marathi
- Gujarati

Certificates

Machine Learning Specialization
by DeepLearning.AI

Neural Network And Deep Learning
by DeepLearning.AI