

# Prathamesh Palatshaha

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[LC](#) LeetCode    [HR](#) HackerRank    [W](#) Website

## Profile

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

## Professional Experience

### Machine Learning Intern

2024 Apr – 2024 Jul  
Pune

Innoshri Pvt Ltd

- 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

Familiar with : C, C++, Java, HTML

### Tools and IDE

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

### Core Subjects

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

## 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 for malware detection, achieving 100% accuracy (Random Forest) and high performance across Decision Tree (99.98%), Logistic Regression (99.89%), and SVM (99.86%).

### 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