AIML PROJECT ABSTRACT   
  
Abstract: **Breast Cancer Awareness Model**

Breast cancer is one of the most common forms of cancer affecting women globally. Early detection and awareness are crucial in improving survival rates. This project, titled **“Breast Cancer Awareness Model”**, aims to leverage the power of Artificial Intelligence and Machine Learning (AIML) to create an efficient model that aids in the early detection of breast cancer and raises awareness through data-driven insights.

The model utilizes a dataset of breast cancer medical records to train machine learning algorithms for classification and prediction tasks. Using features such as tumour size, texture, cell nucleus characteristics, and more, the system predicts whether a tumour is malignant or benign. This can support doctors in diagnosis and provide patients with early warnings, improving treatment outcomes.

Beyond predictive modelling, the project also focuses on building an awareness module. This module will include visual data representations, such as graphs and charts, highlighting key trends, risk factors, and prevention tips. It will be accessible through a user-friendly interface, aimed at educating the public about breast cancer, its symptoms, and the importance of regular screenings.

The primary objectives of this project are:

1. To develop an accurate prediction model for breast cancer diagnosis using AIML techniques such as decision trees, support vector machines (SVM), and neural networks.

2. To create an awareness system that informs users about breast cancer, offering insights into early detection, prevention, and available treatment options.

3. To demonstrate the impact of AIML in the healthcare sector by improving both diagnostic accuracy and public health awareness.

The outcome of the project is expected to contribute to healthcare systems by providing an AI-driven solution that supports medical practitioners and empowers individuals with essential knowledge for early intervention.

This abstract can be tailored further depending on specific algorithms, technologies, or datasets you plan to use.  
  
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