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| **Project Name:** | Phytora |
| **Team:** | Salaar |
| **Project Description:** | **For farmers and agricultural researchers**  **who need an efficient and cost-effective method to detect apple tree diseases,**  **the AI-based plant disease detection system**  **is a deep learning-powered solution**  **that identifies diseases like scab and rust early, preventing crop loss.**  **Unlike traditional manual inspection methods,**  **our application leverages Convolutional Neural Networks (CNNs) to provide fast, accurate, and automated disease classification, overcoming challenges like background noise and variable disease appearances.** |
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| **Benefit Outcomes:** | * **Early Detection**: Enables quick identification of apple tree diseases, reducing yield loss. * **Cost-Effective**: Eliminates the need for frequent manual inspections, saving labor costs. * **High Accuracy**: Uses AI and deep learning models to minimize misdiagnosis. * **Scalability**: Can be applied to large farms and integrated into existing agricultural systems. * **User-Friendly**: Provides a simple interface for farmers to upload images and get instant results. |
| **Github Link:** | https://github.com/htmw/2025S-SALAAR/wiki |