june-july:
---
undergraduate research internship
Guide: Dr. Vijendra Singh
research paper title: A hybrid classification scheme for leaf disease detection using convolutional neural n etworks and support vector machines improves the accuracy and robustness of plant disease detection.

ML algorithms can be used to analyze leaves images to detect diseases early on. This information can th en be used to take corrective action, such as spraying pesticides or applying fungicides, to prevent diseas es.

Problem: Plant diseases are a major threat to crop productivity and food security. Early detection and diag nosis of plant diseases is essential for effective management and control. Traditional methods for plant di sease detection, such as visual inspection and manual diagnosis, are time-consuming, labor-intensive, an d prone to human error.

Solution: A hybrid classification scheme for plant disease detection in image processing is a promising ap proach for addressing the challenges of traditional methods. A hybrid classification scheme combines the strengths of different machine learning algorithms to improve the accuracy and robustness of plant diseas e detection.

---
august onwards with college fund
---
sensor: data from sensors to detect pests
drone: take images from drone of leaves and analysis using same hybrid algorithms to identify diseases a nd pest