Internship Project Documentation

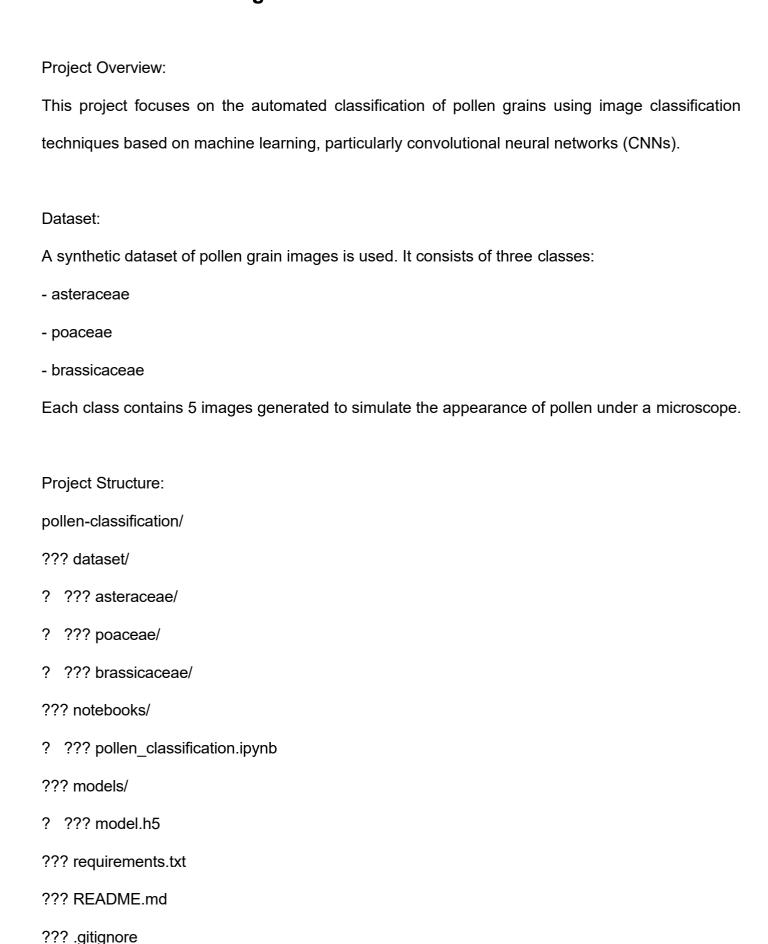
Team ID: LTVIP2025TMID36785

Name: SARVEPALLI AKHILA

Roll Number: 22F61A0502

Project Title: Pollen's Profiling: Automated Classification of Pollen Grains

Pollen's Profiling: Automated Classification of Pollen Grains



Technologies Used:
- Python
- TensorFlow / Keras
- OpenCV
- Scikit-learn
- Matplotlib
Instructions:
1. Install dependencies using `pip install -r requirements.txt`.
2. Run the Jupyter notebook provided in the `notebooks/` folder.
3. Train the model on the dataset.
4. Evaluate performance and use the trained model to classify new images.
Outcome:
The model aims to classify pollen grain images into one of the predefined classes with high
accuracy.
GitHub:
https://github.com/AkhilaSarvepalli2/Pollen-grainsgit