

A COMPARATIVE STUDY OF FINGERPRINT MATCHING TECHNIQUES

Chapter 5 – Conclusion and Recommendations



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# Conclusion

The two algorithms, Scale Invariant Feature Transformation (SIFT) and Minutiae-based algorithm were both implemented using the Python Programming language. Both algorithms were able to extract unique features on the sample data that was provided. These unique features were used to match one fingerprint to another. This process was visualized in a Graphical User Interface using the PyQt5 library. Their performance including runtime was collected. All data was analyzed and “conclusions?” were drawn from the results.

# Recommendations and Future Work

* Both algorithms should be reimplemented in the latest version of python and the accompanying libraries as they offer significant improvement to runtime