

Building an optical character recognition application using C# language

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Abstract: This study focuses on building an Optical Character Recognition (OCR) system using the C# programming language. The practical context demands an efficient solution for processing and converting digital texts. The objective of the project is to develop an application capable of analyzing, identifying, and converting character images into digitized text. The research method combines theory with experimentation, ensuring both the theoretical learning of OCR algorithms and the implementation of the application. The expected results not only provide a useful solution in fields such as electronic document processing but also make a significant contribution to the software industry.

Keywords: OCR, C#, Character Recognition, Applied Research, Image Processing