**Age and Gender Classiﬁcation using Convolutional Neural Networks**

**ABSTRACT:**

Age and gender play fundamental roles in social interactions. Languages reserve different salutations and grammar rules for men or women, and very often different vocabularies are used when addressing elders compared to young people. In this paper we show that by learning representations through the use of deep-convolutional neural networks (CNN), a signiﬁcant increase in performance can be obtained on these tasks. To this end, we propose a simple convolutional net architecture that can be used even when the amount of learning data is limited. We evaluate our method on the recent Audience benchmark for age and gender estimation and show it to dramatically outperform current state-of-the-art methods

**3.1 Existing System**

In existing systems, they process only low level images with limited accuracy. The performance of existing methods on real-world images is still signiﬁcantly lacking, especially when compared to the tremendous leaps in performance recently reported for the related task of face recognition.

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**Disadvantages**:

1. Accuracy is less.

2. They process only low level images.

3. Architecture is complex to understand.

**3.2 Proposed System**

In this paper, we proposed a age and gender predicted framework by using deep-convolutional neural networks (CNN). Two important conclusions can be made from our results. First, CNN can be used to provide improved age and gender classiﬁcation results, even considering the much smaller size of contemporary unconstrained image sets labeled for age and gender. Second, the simplicity of our model implies that more elaborate systems using more training data may well be capable of substantially improving results beyond those reported here.

**Advantages**:

1. Accuracy is high.

2. Simple architecture.

**SYSTEM REQUIREMENTS:**

HARDWARE REQUIREMENTS:

• Processor - Intel i3(min)

• Speed - 1.1 Ghz

• RAM - 4GB(min)

• Hard Disk - 500 GB

• Key Board - Standard Windows Keyboard

• Mouse - Two or Three Button Mouse

• Monitor - SVGA

**SOFTWARE REQUIREMENTS:**

• Operating System - Windows10(min)

• Programming Language - Python