

Marime set de date de test: 51444 (training\_set : 36010, testing\_set : 15434)

Tip kernel:

a)liniar

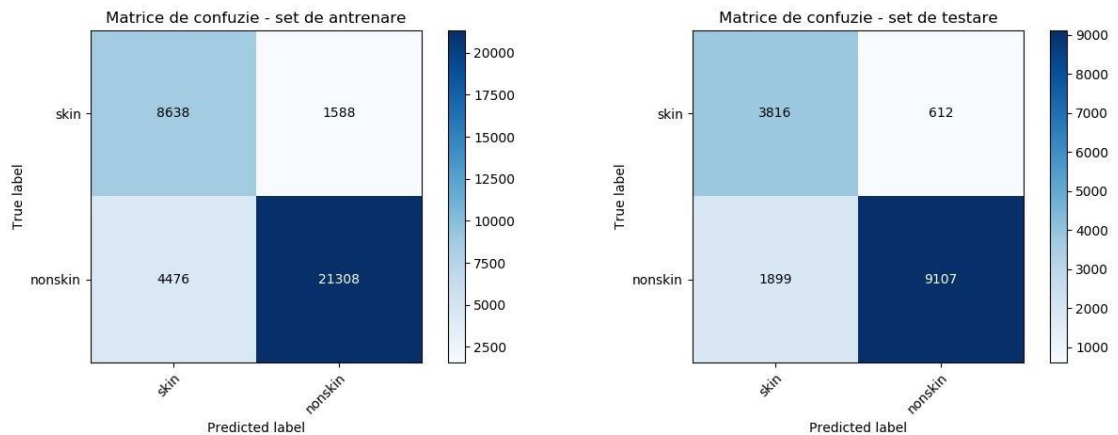
Nr vectori suport: 18006

Nr iteratii: 9118

Parametrii kernel: -

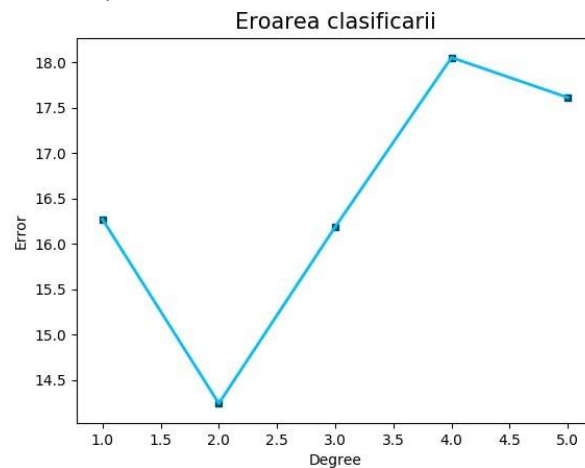
Acuratete: 83.7307

Eroare: 16,2693



b) polinomial (set de date scalat )

Parametrii constanti: gamma: 0.33, coef0: 0.0



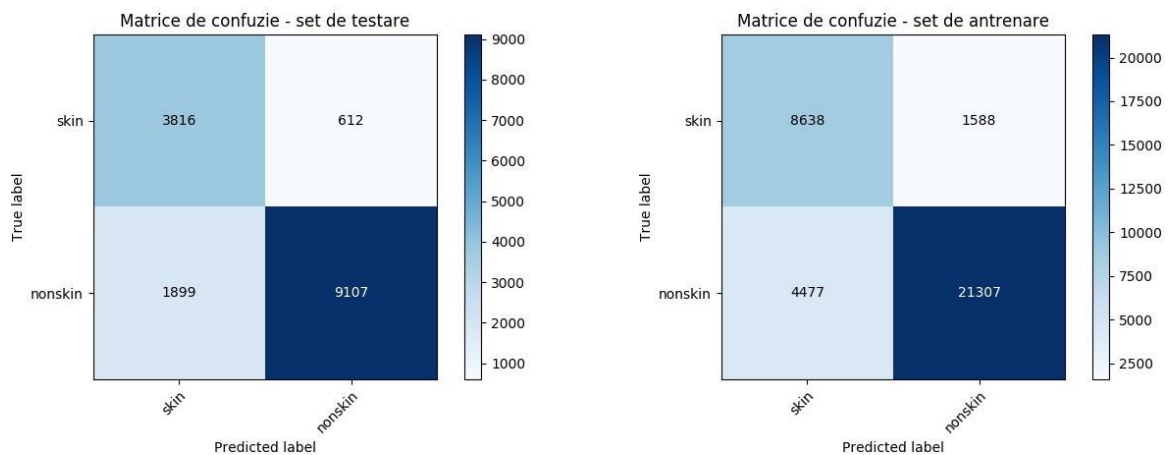
Nr vectori suport: 18006

Nr iteratii: 9794

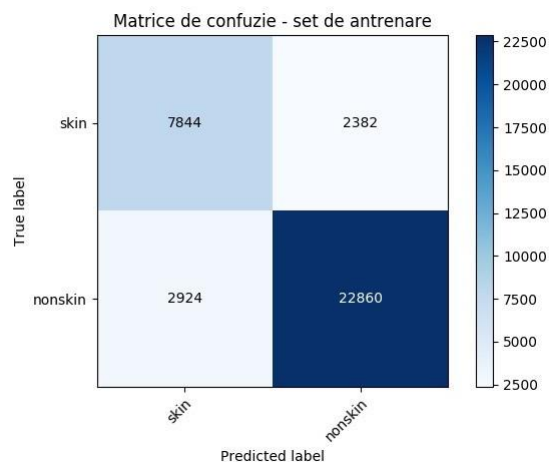
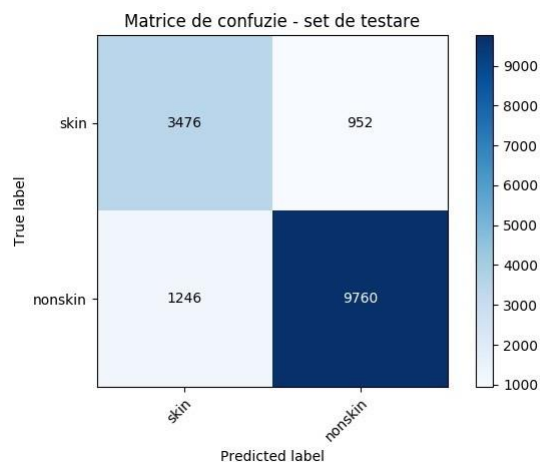
Parametrii kernel: degree: 1

Acuratete: 83.73072437475703

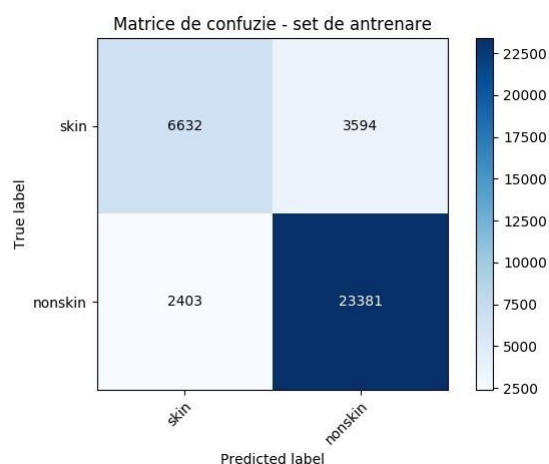
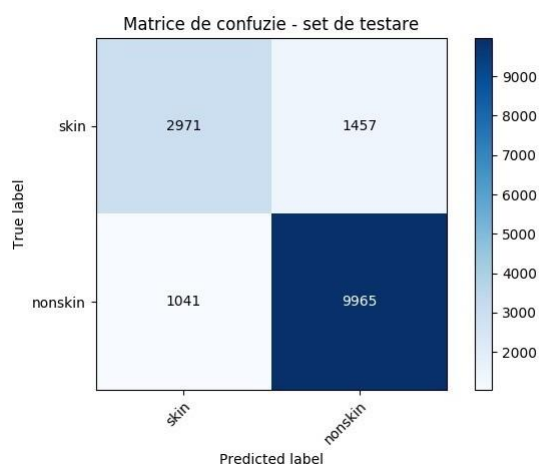
Eroare: 16.2692756252



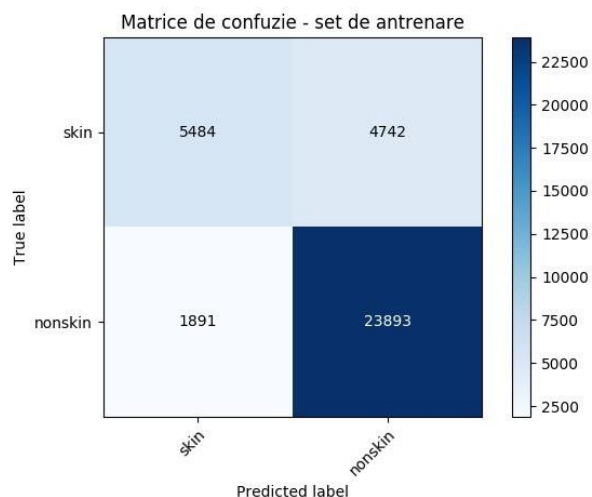
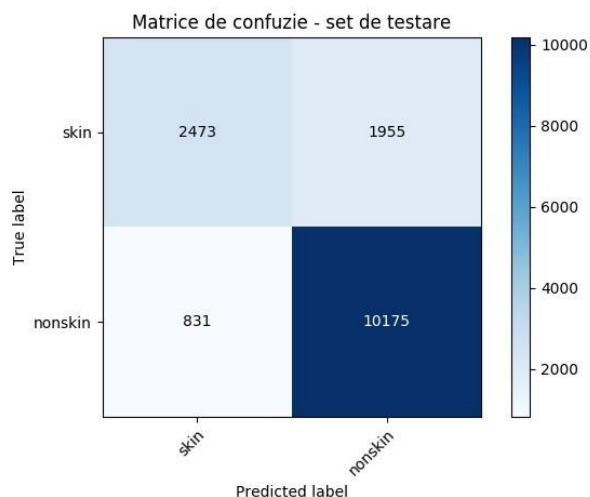
Nr vectori suport: 18007  
 Nr iteratii: 10245  
 Parametrii kernel: degree: 2  
 Acuratete: 85.75871452637035  
 Eroare: 14.2412854736



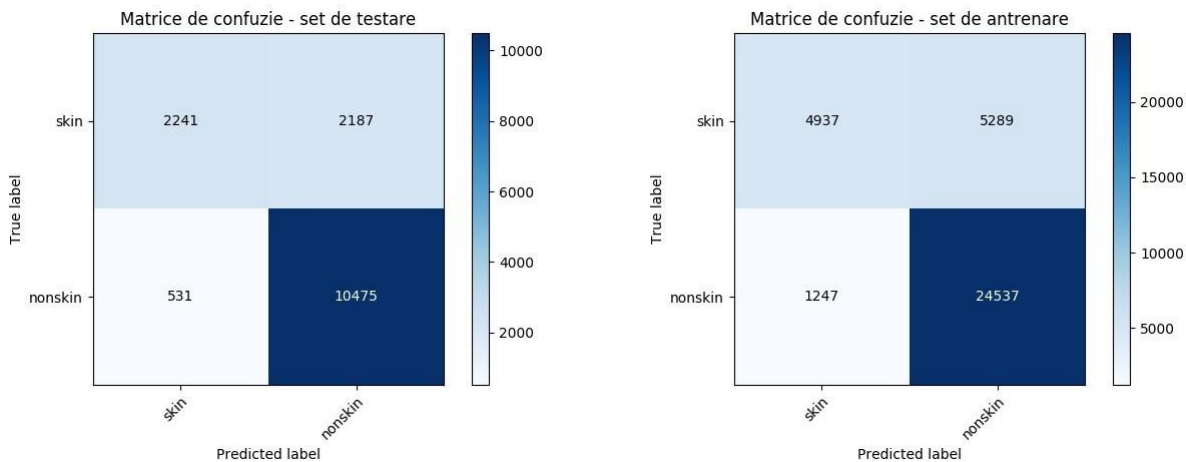
Nr vectori suport: 18007  
 Nr iteratii: 9506  
 Parametrii kernel: degree: 3  
 Acuratete: 83.81495399766749  
 Eroare: 16.1850460023



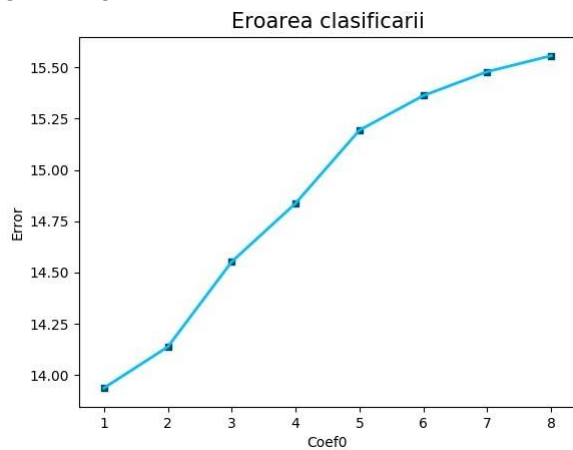
Nr vectori suport: 18007  
 Nr iteratii: 8953  
 Parametrii kernel: degree: 4  
 Acuratete: 81.94894389011273  
 Eroare: 18.0510561099



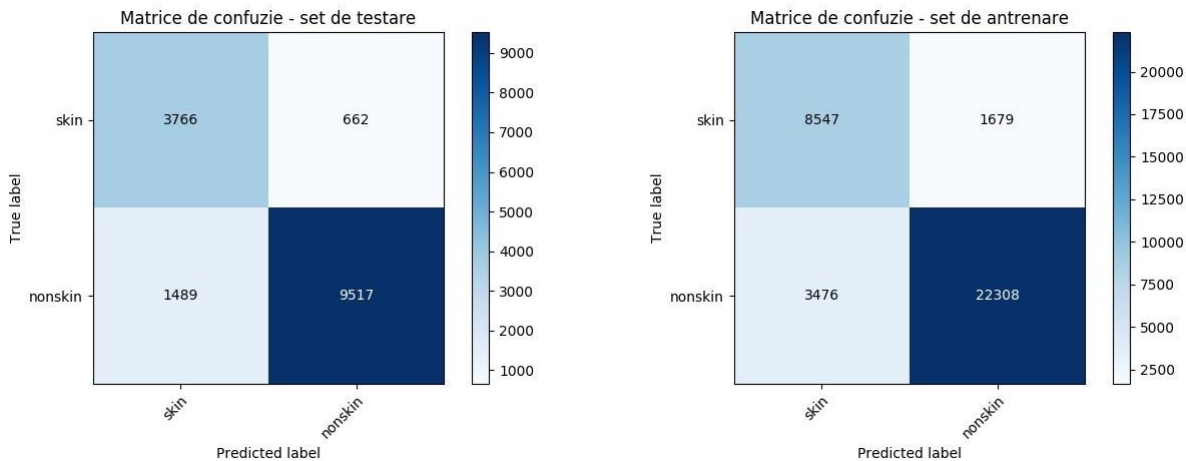
Nr vectori suport: 18009  
 Nr iteratii: 9399  
 Parametrii kernel: degree: 5  
 Acuratete: 82.38952960995205  
 Eroare: 17.61047039



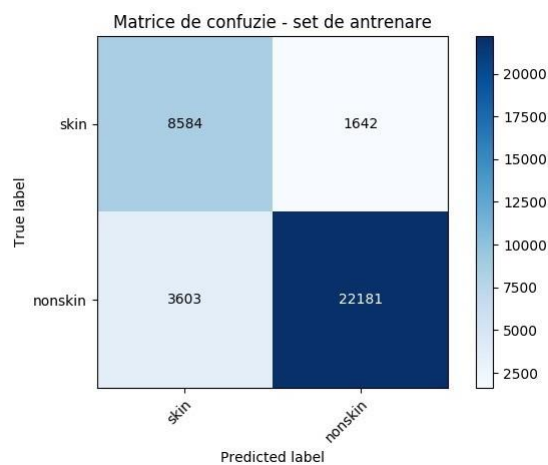
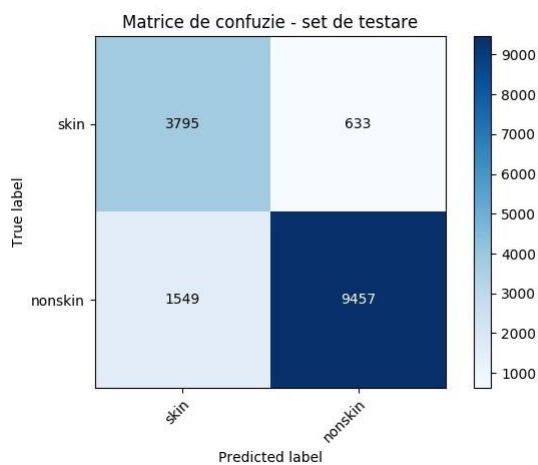
Parametrii constanti: degree: 2, gamma: 0.33



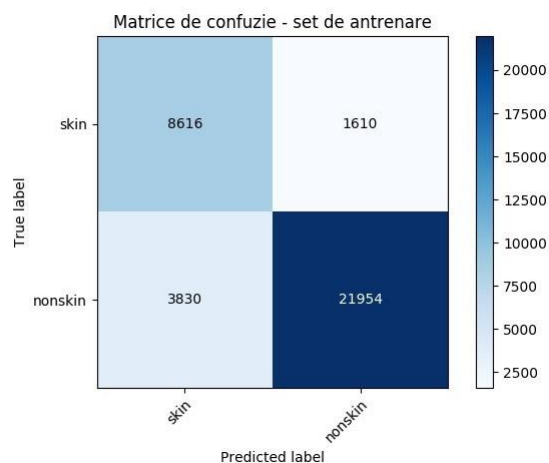
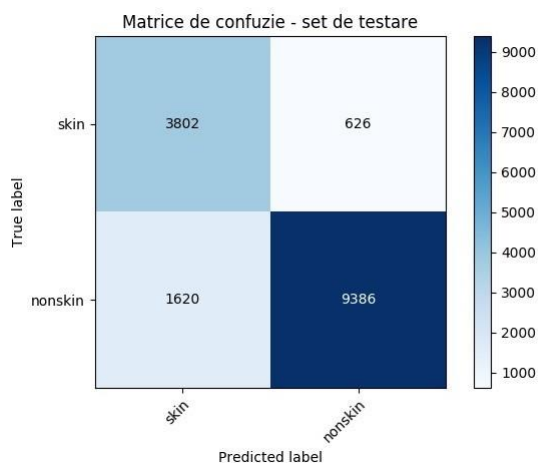
Nr vectori suport: 18007  
 Nr iteratii: 9846  
 Parametrii kernel: coef0: 1.0  
 Acuratete: 86.06323700920046  
 Eroare: 13.9367629908



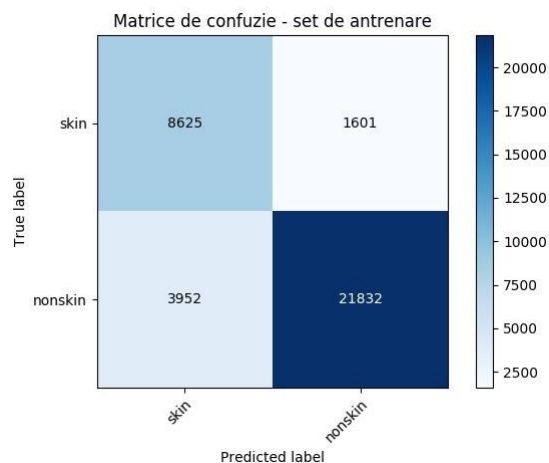
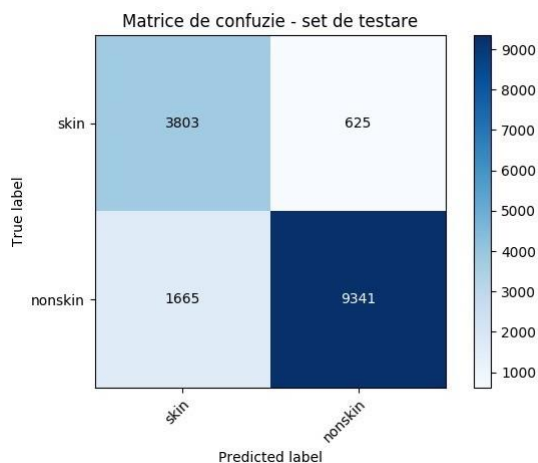
Nr vectori suport: 18007  
 Nr iteratii: 9667  
 Parametrii kernel: coef0: 2.0  
 Acuratete: 85.86238175456783  
 Eroare: 14.1376182454



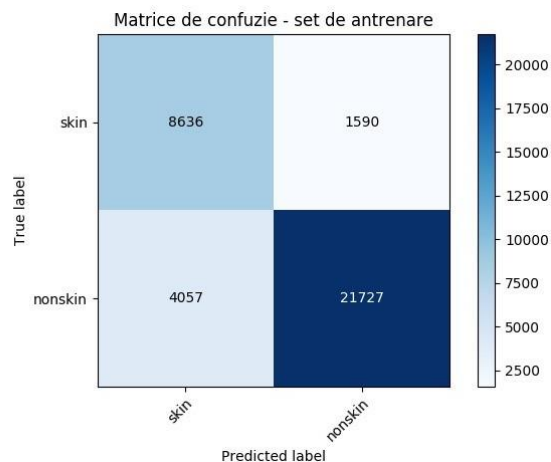
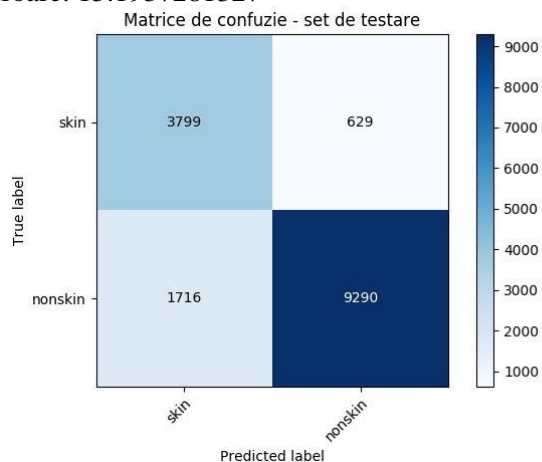
Nr vectori suport: 18008  
 Nr iteratii: 9837  
 Parametrii kernel: coef0: 3.0  
 Acuratete: 85.44771284177789  
 Eroare: 14.5522871582



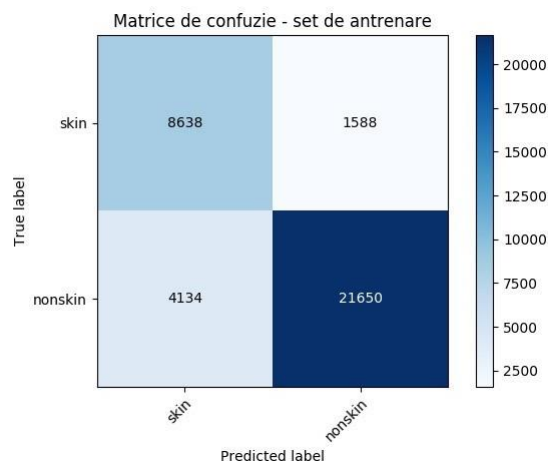
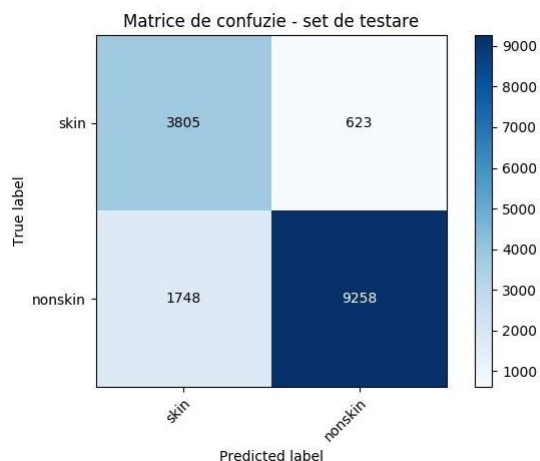
Nr vectori suport: 18007  
 Nr iteratii: 9629  
 Parametrii kernel: coef0: 4.0  
 Acuratete: 85.1626279642348  
 Eroare: 14.8373720358



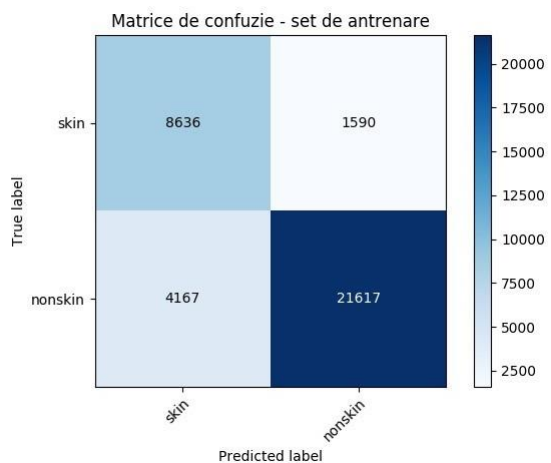
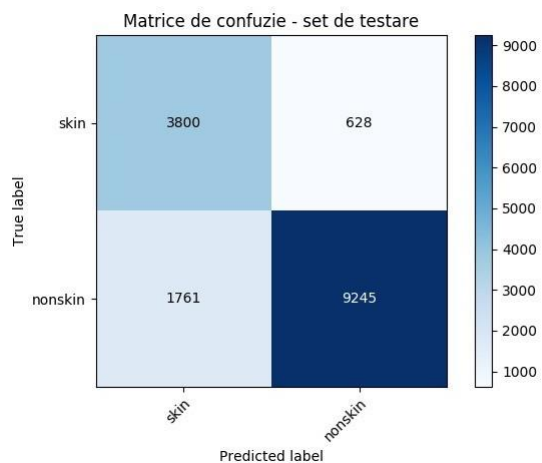
Nr vectori suport: 18006  
 Nr iteratii: 9819  
 Parametrii kernel: coef0: 5.0  
 Acuratete: 84.80627186730595  
 Eroare: 15.1937281327



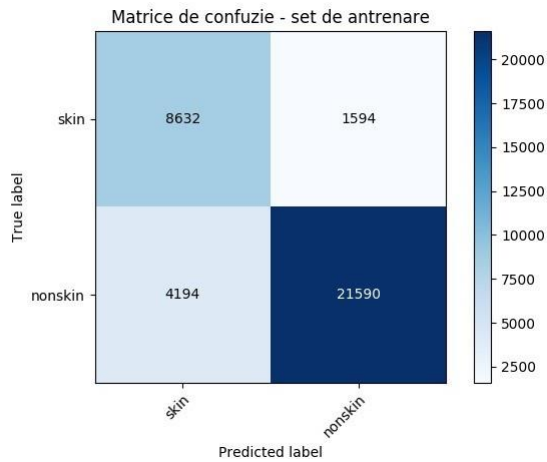
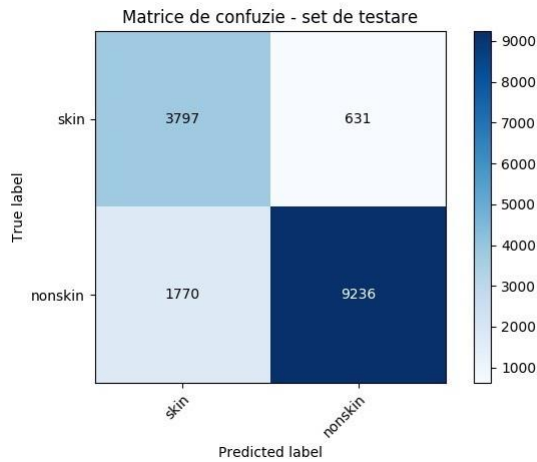
Nr vectori suport: 18007  
 Nr iteratii: 9865  
 Parametrii kernel: coef0: 6.0  
 Acuratete: 84.63781262148503  
 Eroare: 15.3621873785



Nr vectori suport: 18008  
 Nr iteratii: 9989  
 Parametrii kernel: coef0: 7.0  
 Acuratete: 84.52118698976287  
 Eroare: 15.4788130102

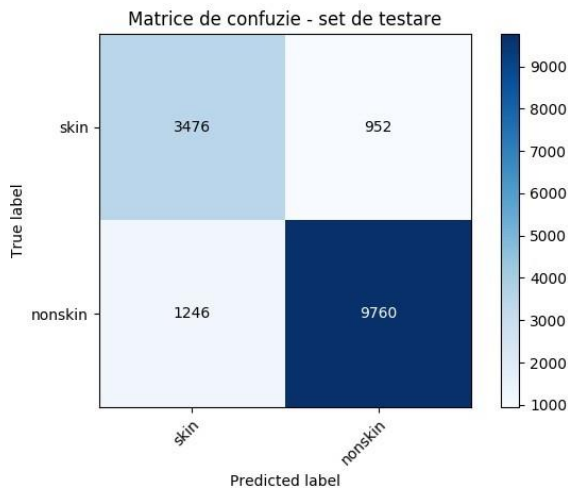


Nr vectori suport: 18007  
 Nr iteratii: 9739  
 Parametrii kernel: degree: 2, gamma: 0.33, coef0: 8.0  
 Acuratete: 84.44343656861474  
 Eroare: 15.5565634314



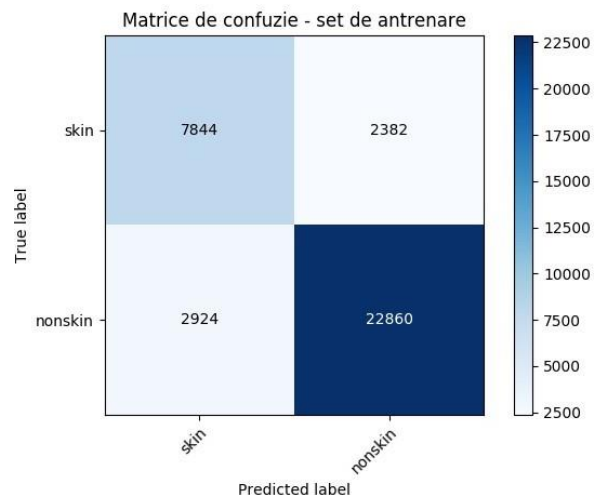
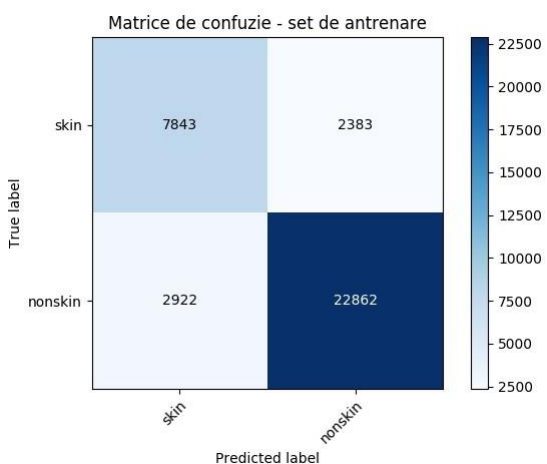
Parametrii constanti: degree: 2, coef0: 0.0  
 Eroare: valoare constanta = 14.2412854736

Nr vectori suport: 18008  
 Nr iteratii: 9855/10002/9949/10017  
 Parametrii kernel: gamma: 0.1/gamma:0.2/gamma:0.3/gamma:0.4  
 Acuratete: 85.75871452637035  
 Eroare: 14.2412854736



gamma: 0.1

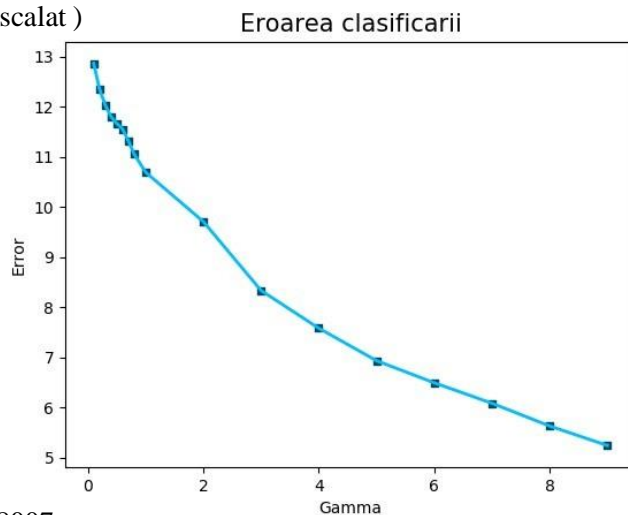
gamma: 0.2/0.3/0.4



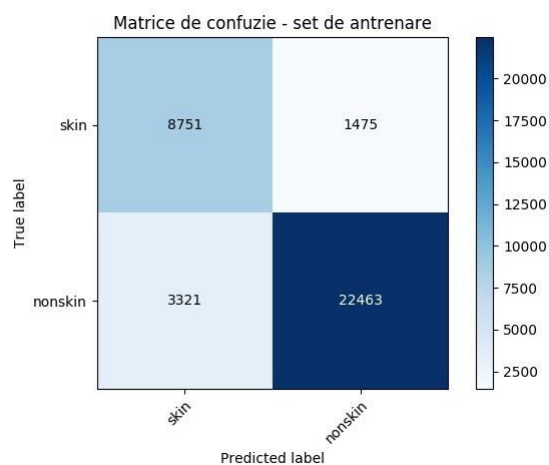
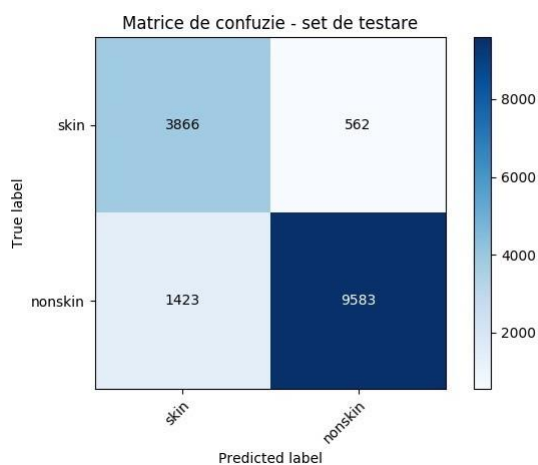
Nr vectori suport: 18007  
 Nr iteratii: 10146/10091/10307/10203/10166/10257/10424/10644/10527  
 Parametrii kernel: gamma: 0.5/ gamma: 0.6/.....gamma: 1.0, gamma: 2.0, /gamma:3.0 ,gamma:4.0  
 Acuratete: 85.75871452637035  
 Eroare: 14.2412854736

Aceleasi matrici de confuzie ca mai sus

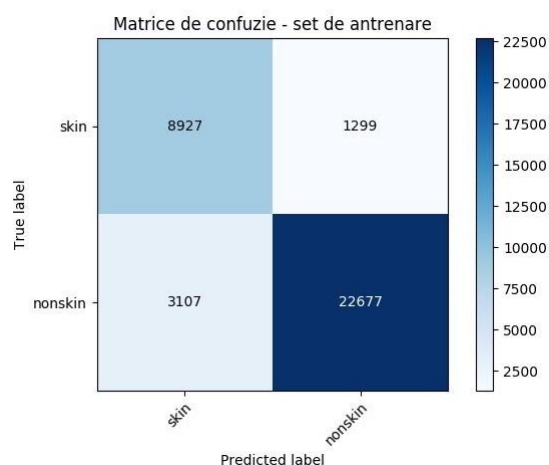
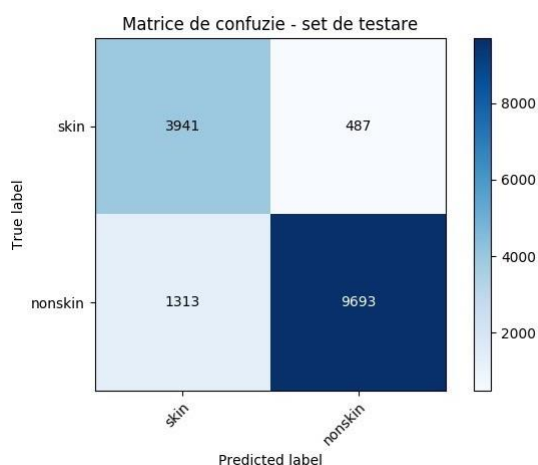
c) Gaussian (set de date scalat )



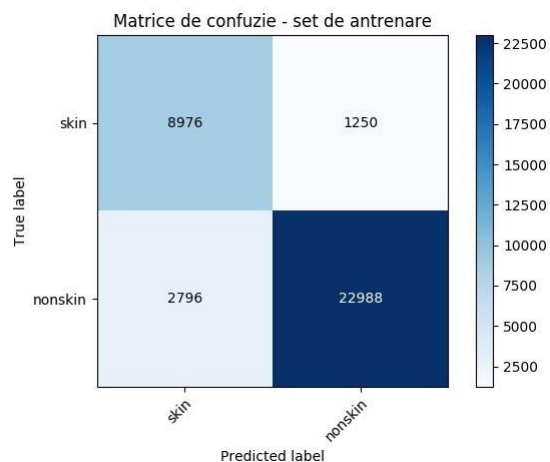
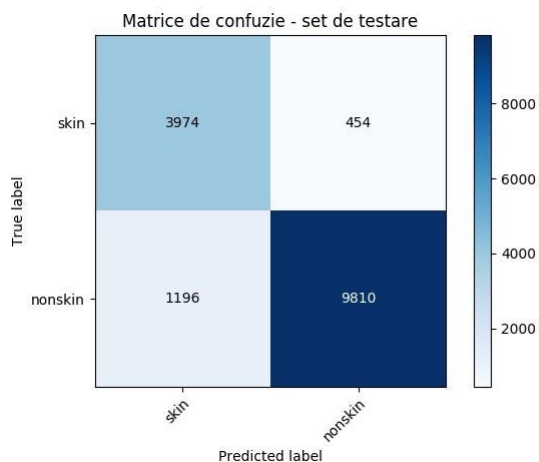
Nr vectori suport: 18007  
 Nr iteratii: 9374  
 Parametrii kernel: gamma: 0.1  
 Acuratete: 87.13878450174938  
 Eroare: 12.8612154983



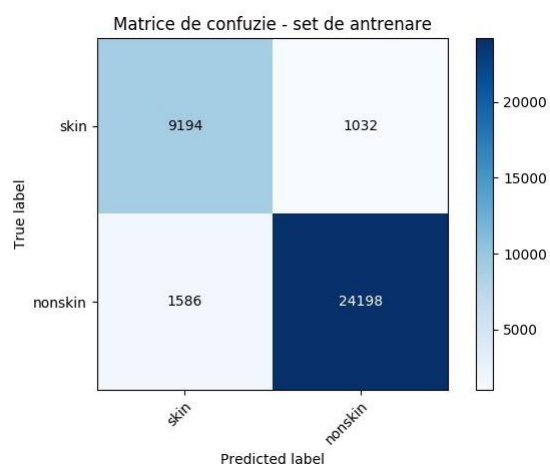
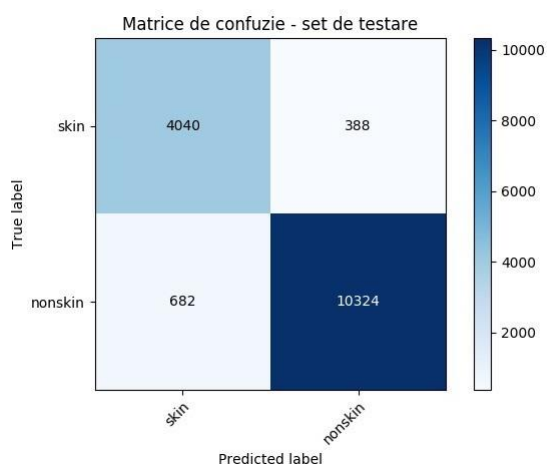
Nr vectori suport: 18006  
 Nr iteratii: 8216  
 Parametrii kernel: gamma: 0.5  
 Acuratete: 88.33743682778282  
 Eroare: 11.6625631722



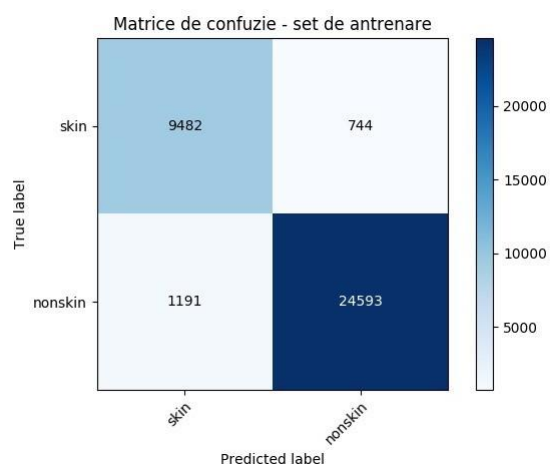
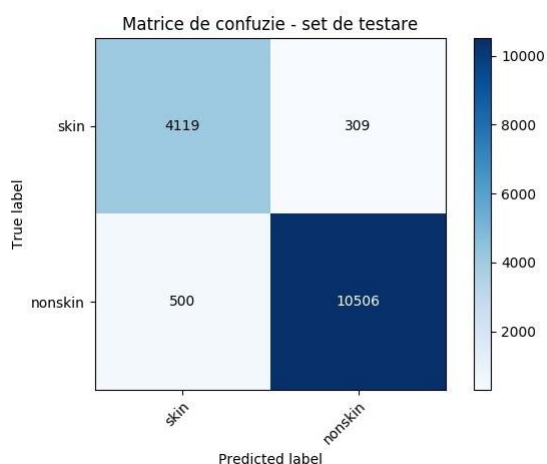
Nr vectori suport: 18008  
 Nr iteratii: 7700  
 Parametrii kernel: gamma: 1.0  
 Acuratete: 89.30931709213425  
 Eroare: 10.6906829079



Nr vectori suport: 18009  
 Nr iteratii: 8446  
 Parametrii kernel: gamma: 5.0  
 Acuratete: 93.06725411429312  
 Eroare: 6.93274588571

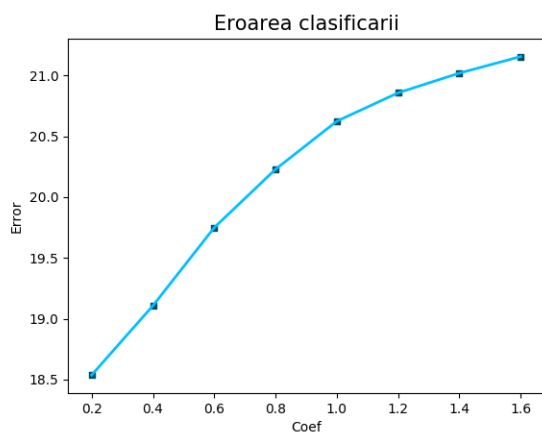


Nr vectori suport: 18011  
 Nr iteratii: 8565  
 Parametrii kernel: gamma: 9.0  
 Acuratete: 94.7583257742646  
 Eroare: 5.24167422574

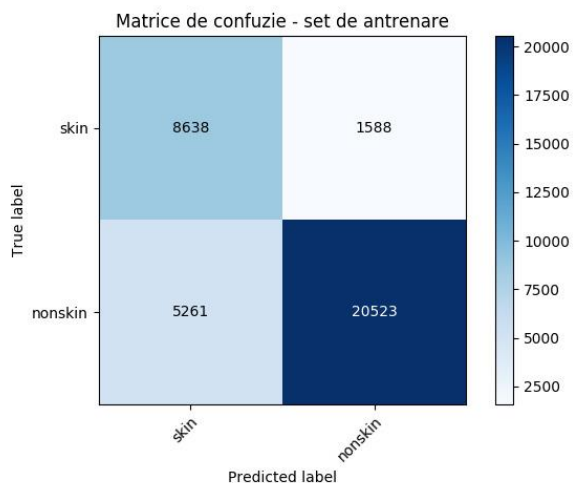
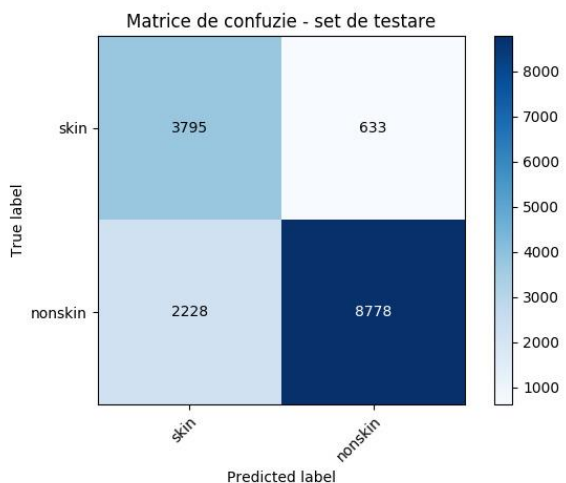




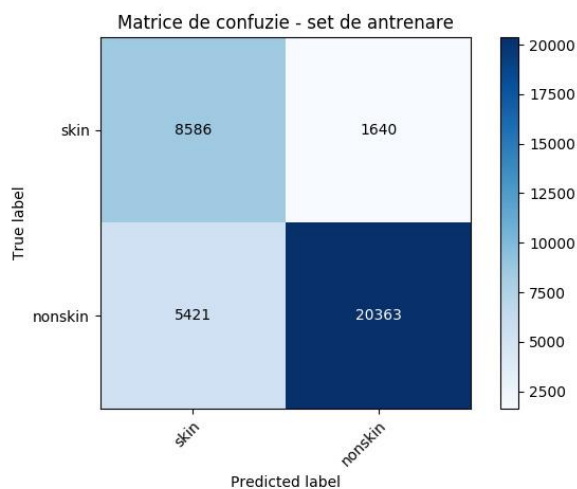
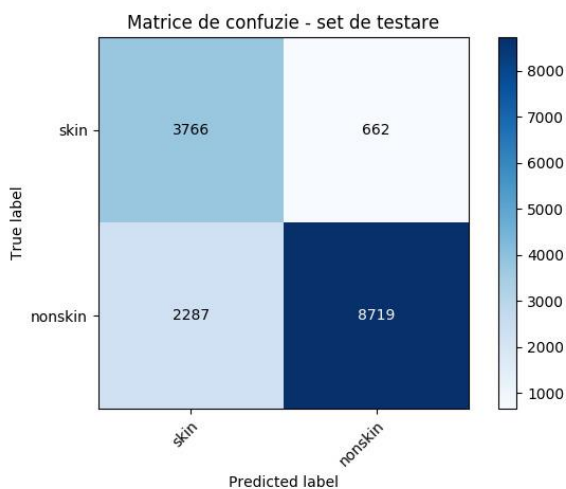
d) sigmoid (set de date scalat)  
 Parametru constant: gamma: 0.1



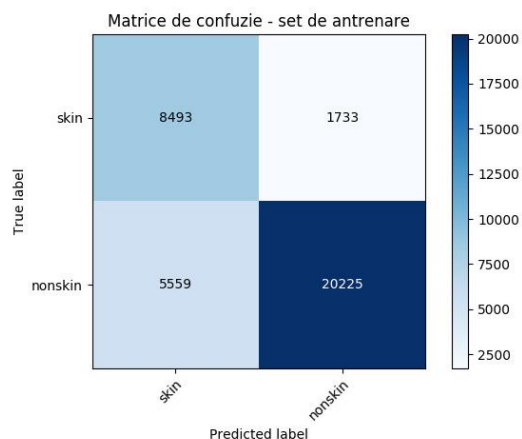
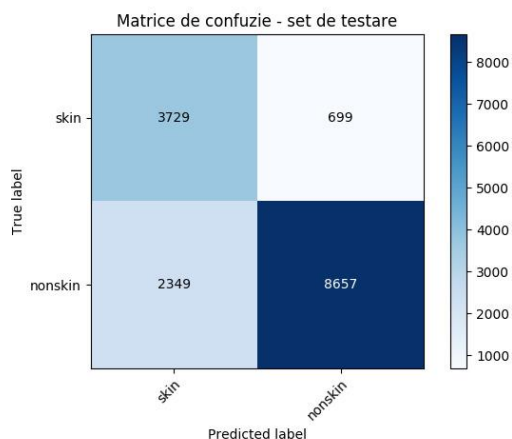
Nr vectori suport: 18006  
 Nr iteratii: 9528  
 Parametrii kernel:coef0: 0.2  
 Acuratete: 81.46300375793703  
 Eroare: 18.5369962421



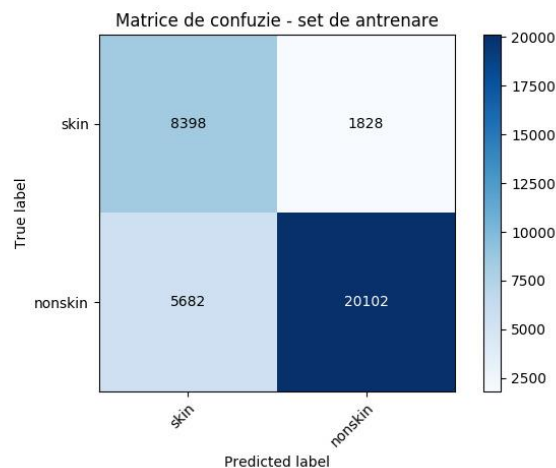
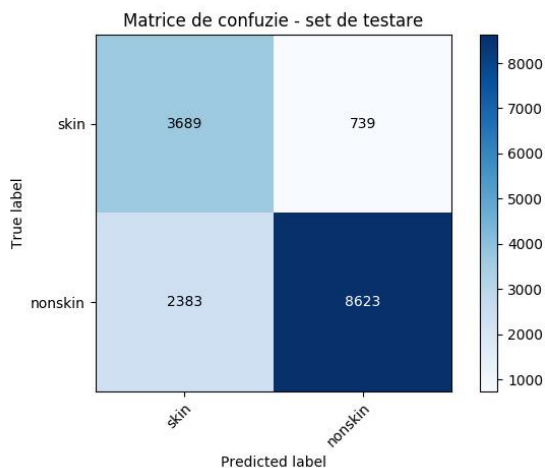
Nr vectori suport: 18007  
 Nr iteratii: 9219  
 Parametrii kernel:coef0: 0.4  
 Acuratete: 80.89283400285085  
 Eroare: 19.1071659971



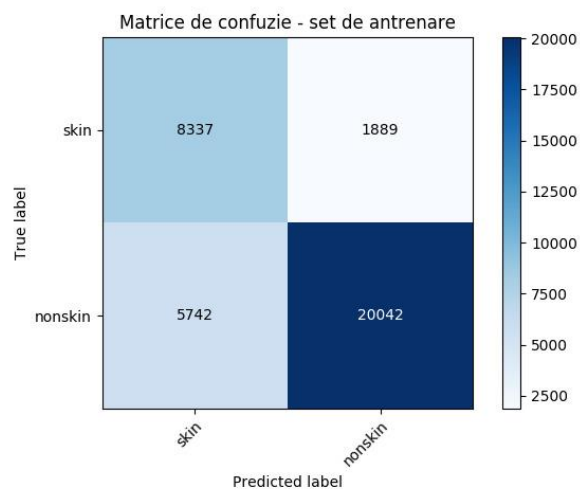
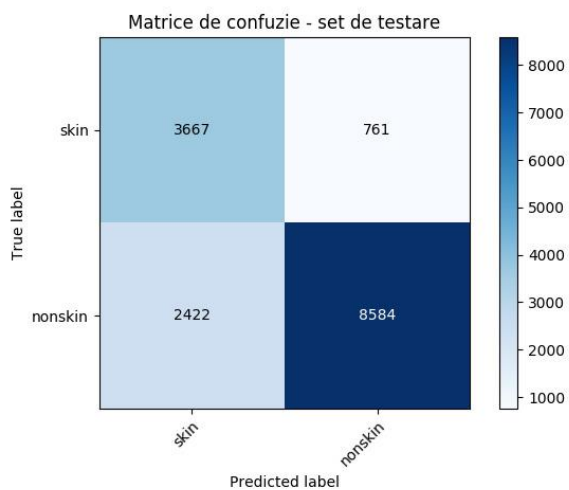
Nr vectori suport: 18008  
 Nr iteratii: 9449  
 Parametrii kernel: coef0: 0.6  
 Acuratete: 80.2513930283789  
 Eroare: 19.7486069716



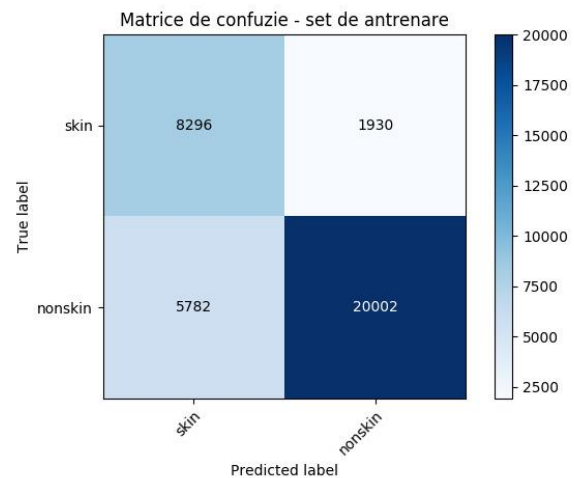
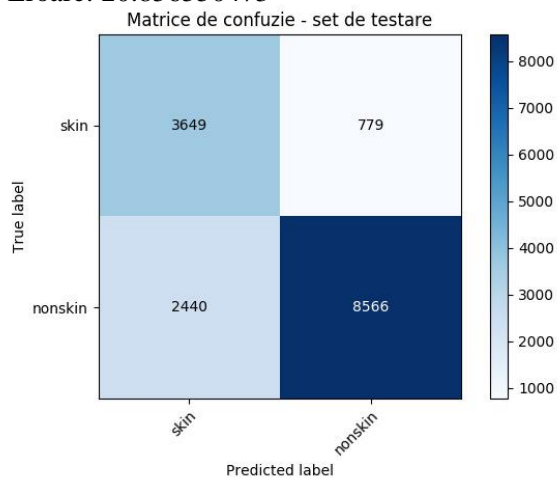
Nr vectori suport: 18007  
 Nr iteratii: 9611  
 Parametrii kernel: coef0: 0.8  
 Acuratete: 79.77193209796553  
 Eroare: 20.228067902



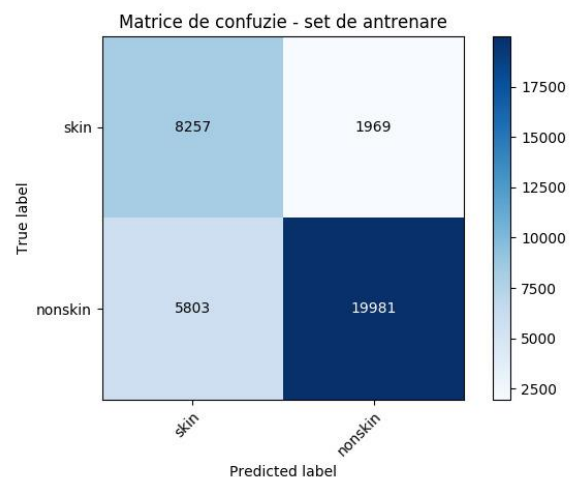
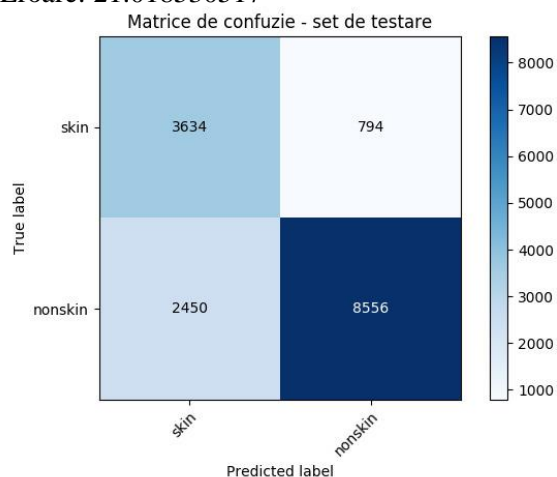
Nr vectori suport: 18008  
 Nr iteratii: 9800  
 Parametrii kernel: coef0: 1.0  
 Acuratete: 79.37670079046262  
 Eroare: 20.6232992095



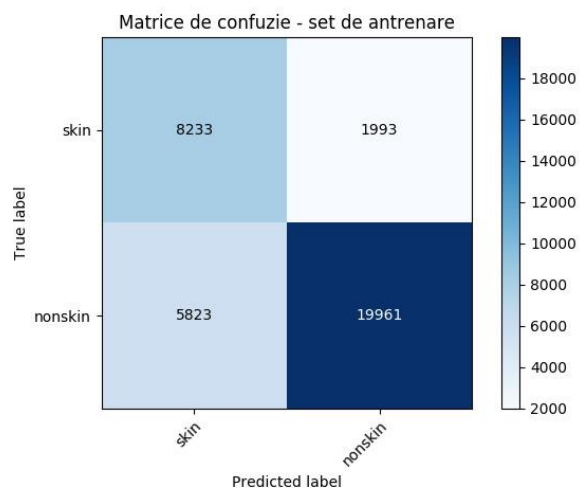
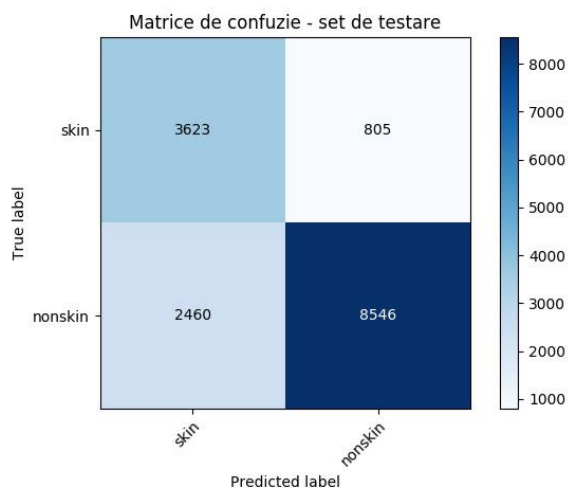
Nr vectori suport: 18007  
 Nr iteratii: 9797  
 Parametrii kernel: coef0: 1.2  
 Acuratete: 79.14344952701828  
 Eroare: 20.856550473



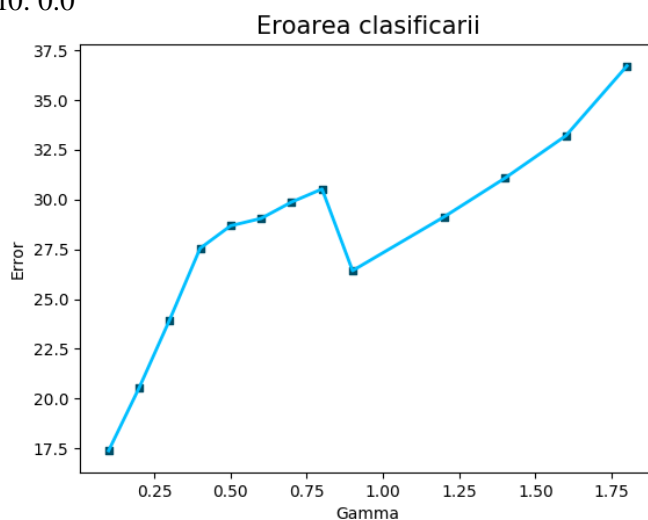
Nr vectori suport: 18008  
 Nr iteratii: 9764  
 Parametrii kernel: coef0: 1.4  
 Acuratete: 78.9814694829597  
 Eroare: 21.018530517



Nr vectori suport: 18007  
 Nr iteratii: 9789  
 Parametrii kernel: coef0: 1.6  
 Acuratete: 78.8454062459505  
 Eroare: 21.154593754



Parametru constant: coef0: 0.0



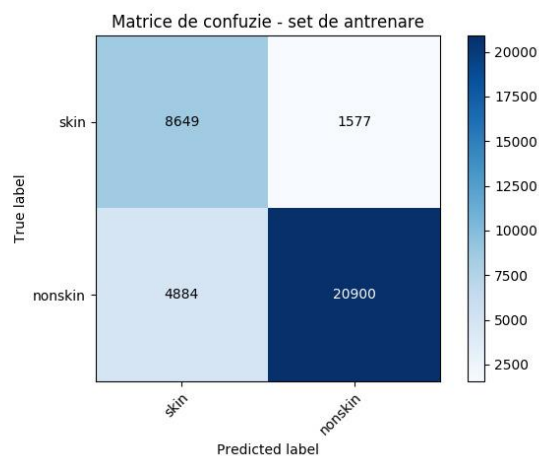
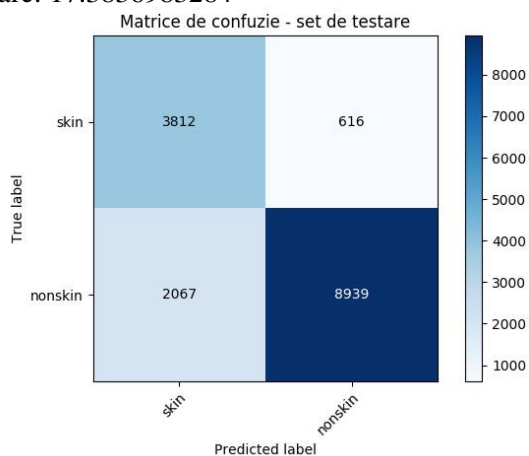
Nr vectori suport: 18008

Nr iteratii: 9661

Parametrii kernel: gamma: 0.1

Acuratete: 82.61630167163405

Eroare: 17.3836983284



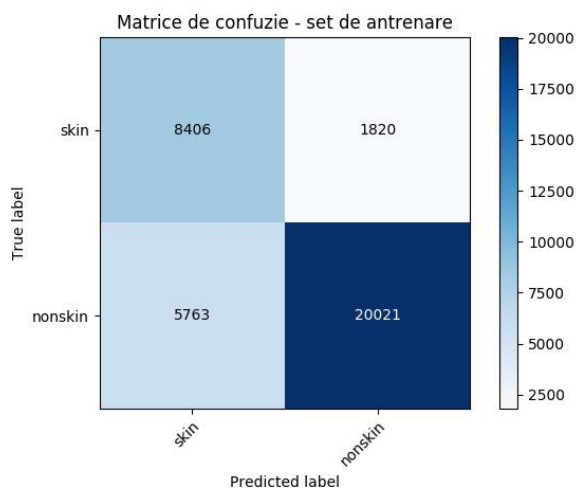
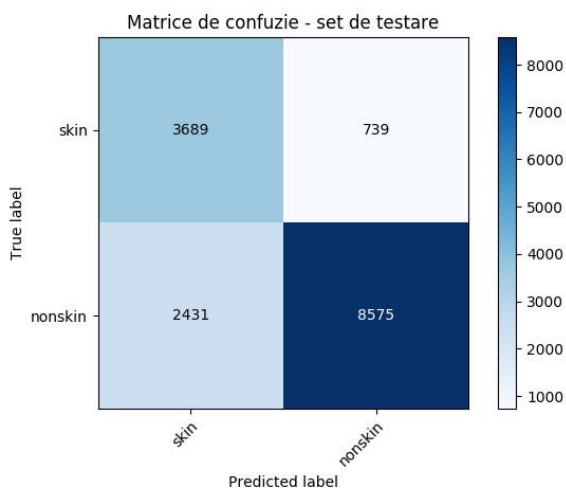
Nr vectori suport: 18007

Nr iteratii: 9964

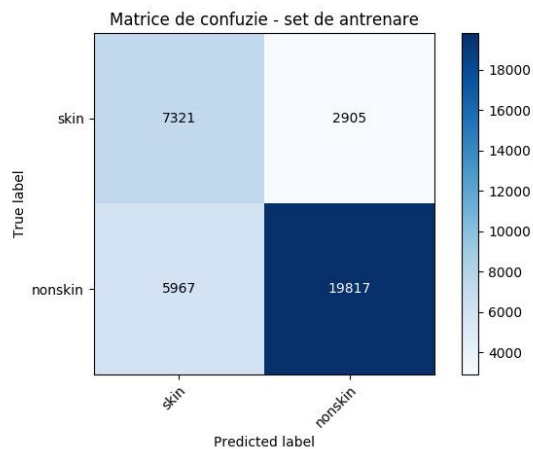
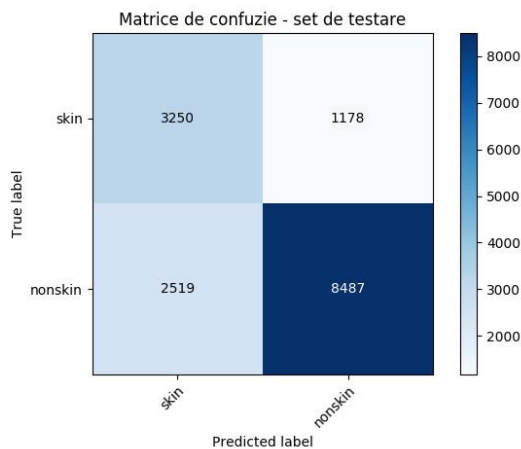
Parametrii kernel: gamma: 0.2

Acuratete: 79.46093041337308

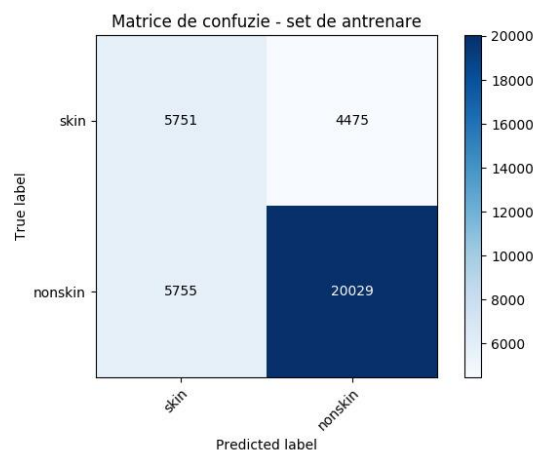
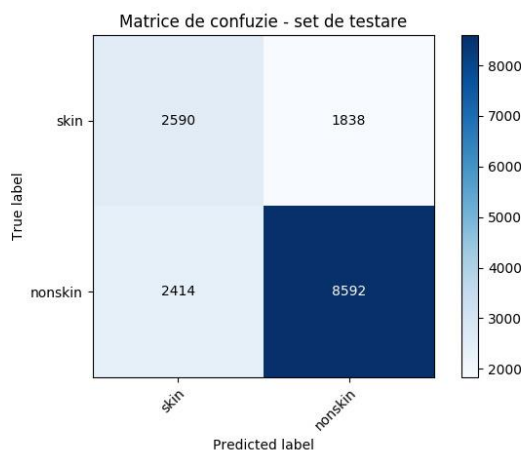
Eroare: 20.5390695866



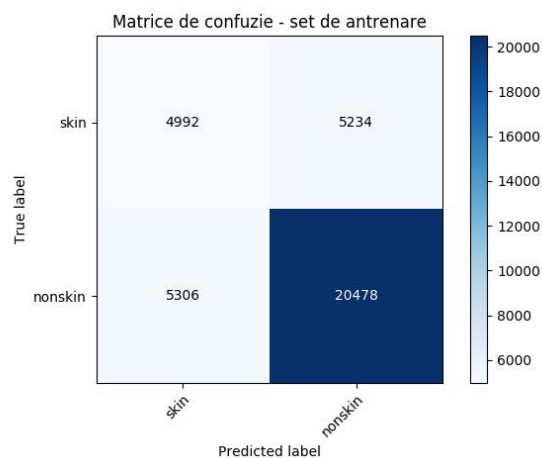
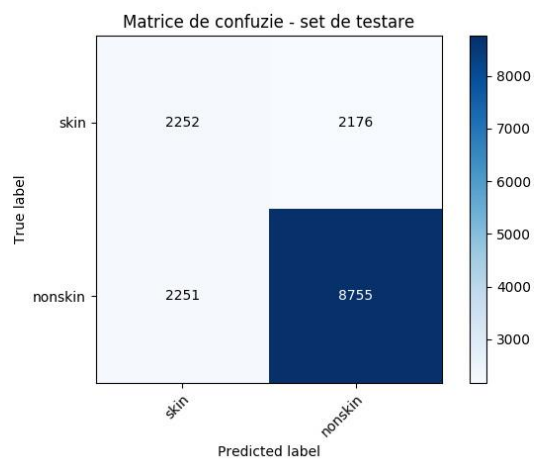
Nr vectori suport: 18006  
 Nr iteratii: 9690  
 Parametrii kernel: gamma: 0.3  
 Acuratete: 76.04639108461836  
 Eroare: 23.9536089154



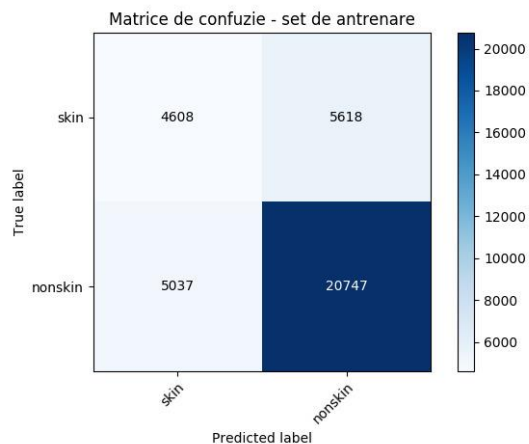
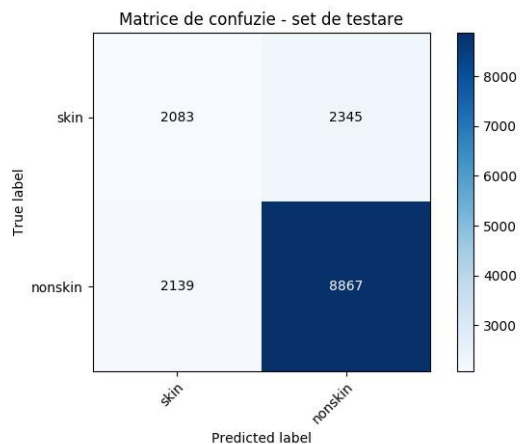
Nr vectori suport: 18008  
 Nr iteratii: 9513  
 Parametrii kernel: gamma: 0.4  
 Acuratete: 72.45043410651807  
 Eroare: 27.5495658935



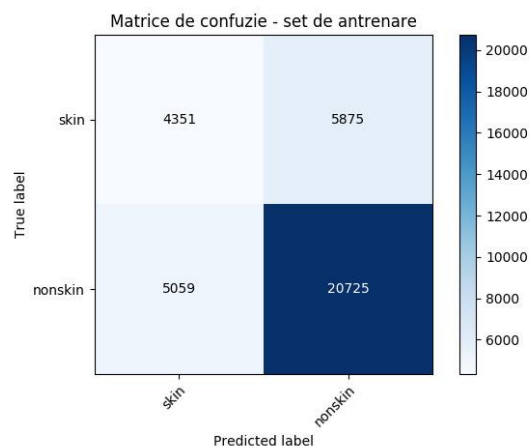
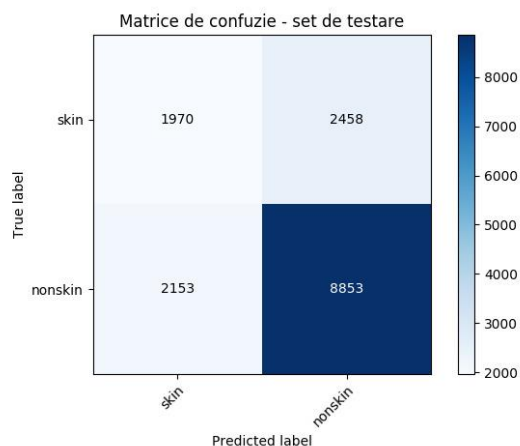
Nr vectori suport: 18007  
 Nr iteratii: 9284  
 Parametrii kernel: gamma: 0.5  
 Acuratete: 71.31657379810807  
 Eroare: 28.6834262019



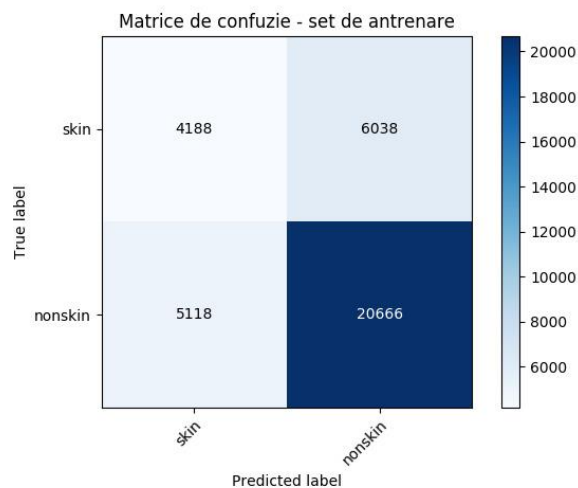
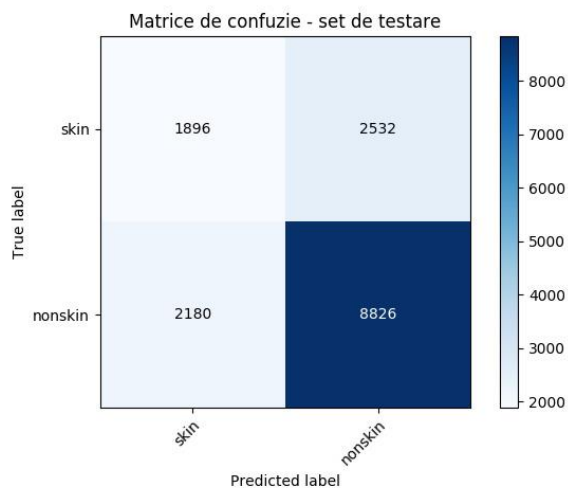
Nr vectori suport: 18006  
 Nr iteratii: 9357  
 Parametrii kernel: gamma: 0.6  
 Acuratete: 70.94725929765453  
 Eroare: 29.0527407023



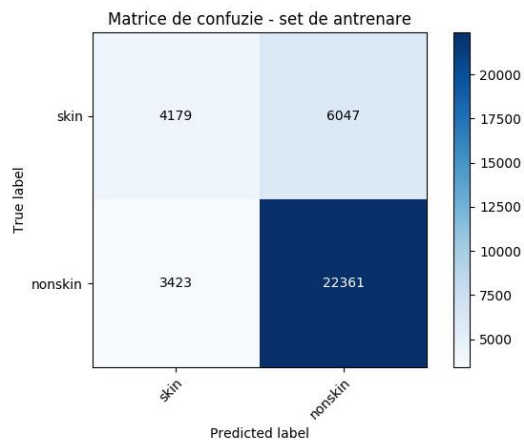
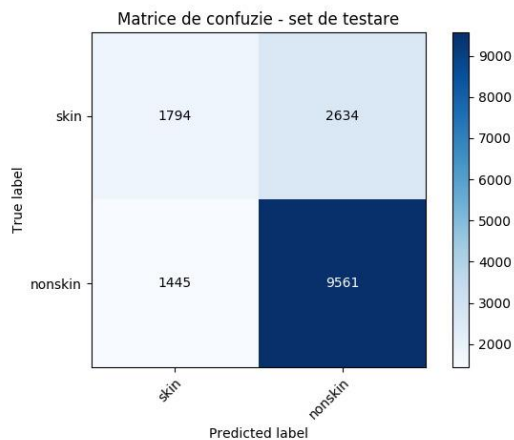
Nr vectori suport: 18006  
 Nr iteratii: 10575  
 Parametrii kernel: gamma: 0.7  
 Acuratete: 70.12440067383699  
 Eroare: 29.8755993262



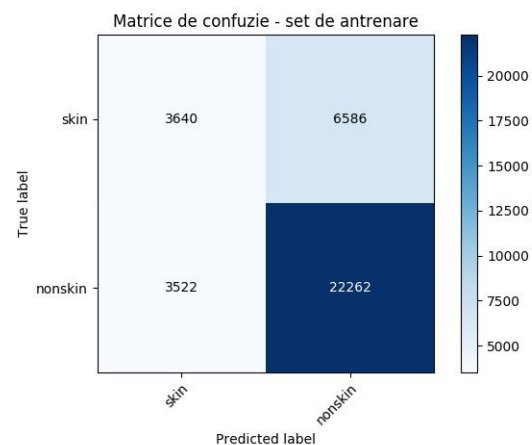
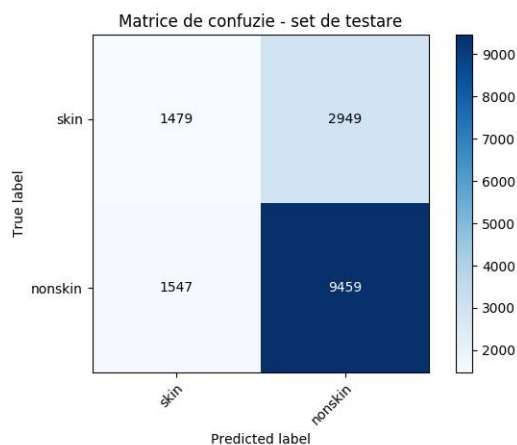
Nr vectori suport: 18006  
 Nr iteratii: 11970  
 Parametrii kernel: gamma: 0.8  
 Acuratete: 69.47000129584036  
 Eroare: 30.5299987042



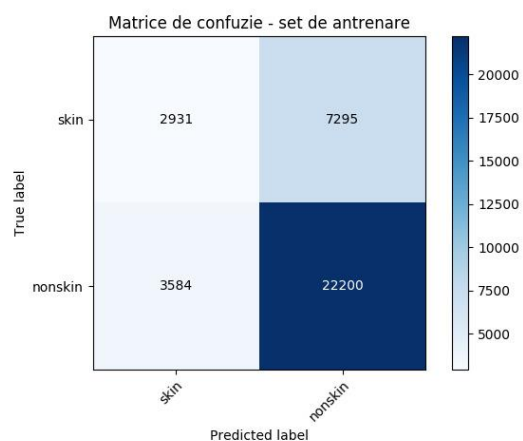
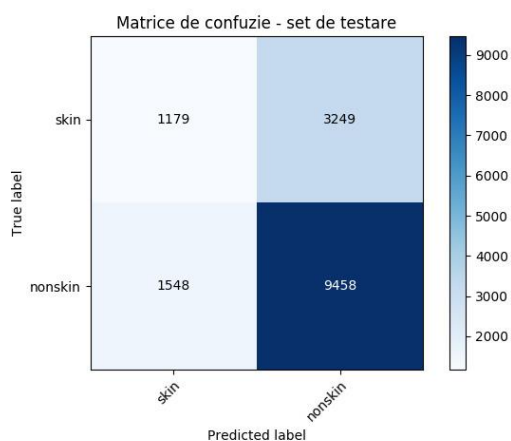
Nr vectori suport: 18007  
 Nr iteratii: 12794  
 Parametrii kernel: gamma: 0.9  
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 Eroare: 26.4286639886



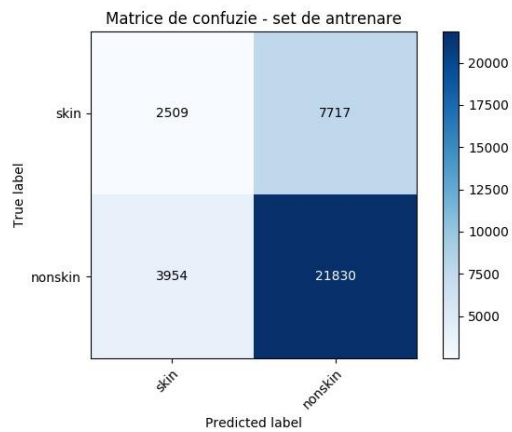
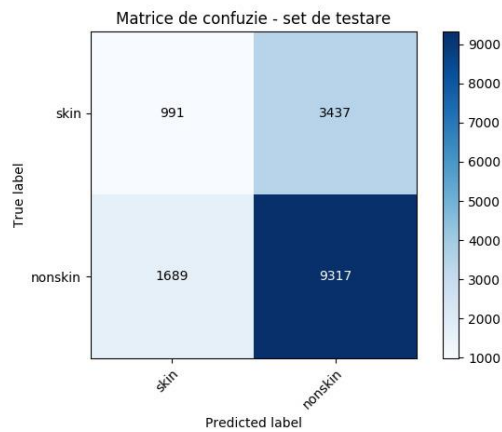
Nr vectori suport: 18006  
 Nr iteratii: 10068  
 Parametrii kernel: gamma: 1.2  
 Acuratete: 70.86950887650642  
 Eroare: 29.1304911235



Nr vectori suport: 18006  
 Nr iteratii: 9450  
 Parametrii kernel: gamma: 1.4  
 Acuratete: 68.9192691460412  
 Eroare: 31.080730854



Nr vectori suport: 18006  
Nr iteratii: 8459  
Parametrii kernel: gamma: 1.6  
Acuratete: 66.7876117662304  
Eroare: 33.2123882338



Nr vectori suport: 18006  
Nr iteratii: 8209  
Parametrii kernel: gamma: 1.8  
Acuratete: 63.282363612802904  
Eroare: 36.7176363872

