

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in

Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119



SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY

(Established under Section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai -
600119



SCHOOL OF COMPUTING

REVISION

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"facial recognition app" on

Head of the Department

Dr. R. SUBHASHINI M.E., Ph.D.,

Submitted for Viva voce Examination held on

Internal Examiner

External Examiner

DECLARATION

Facial recognition app" by

replied to

on

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. SASIKALA M.E., Ph.D.**, Dean, School of Computing and **Dr. R. SUBHASHINI M.E.**, Head of the Department, Department of Computer Science and Engineering for providing us the necessary support and details at the right time during the progressive reviews.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



Certificate of Completion

Awarded to

Yahya Ibrahim

Upon successfully Completed the Boot Camp Training in Machine Learning
for 45 Hrs from 01st Sep 2021 To 27th Sep 2021



Nikhil Barshikar
Director

ABSTRACT

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CHAPTER 1

INTRODUCTION

1.1 GENERAL The researchers aimed to develop and implement an f a c i a l r e c o g n i t i o n a p p This web-based application allow Users to make inventories of their emotions and feelings, thus, allowing each member to check the availability of t h e i r r e c o r d e d e m o t i o n s anytime. Likewise, proper accounting of ensures that the expected blood transfusion service

1.2 ORGANIZATION OF THE REPORT

Chapter 2 deals with Aim, Scope of the present investigation. Chapter 3 details with General, Algorithm, Project description. Chapter 4 deals with Requirement, Role of Python and Results And Discussion. Chapter 5 deals with Conclusion and Future work.

CHAPTER 2

AIM & SCOPE

2.1 AIM

This applied research aims to design, develop and implement facial recognition app using machine learning

2.2 SCOPE

The scope of the facial recognition app is to express the emotions of the people. To demonstrate their facial expressions and to give a review about it...

CHAPTER 3

ALGORITHMS AND METHODS

- 1.Homepage – For the homepage, you will be able to all the basic access in the whole system. Such as home, search, donor registration, login, contact us and about us.
- 2.Search – For the search, you will be able to search the blood type you want and the address of a donor person.
- 3.Donor Registration – For the donor registration, you will fill the forms. Such as your complete name, gender, date of birth, blood type, phone number, email address, home address and etc.
- 4.Contact Us – For the contact us, you will be able to see their address, phone number and email address.
- 5.About Us – For the about us, you will be able see the goals and objectives of blood bank managemen

CHAPTER 4

SYSTEM REQUIREMENTS

REQUIREMENTS

1. HARDWARE REQUIREMENTS

- * A system with minimum 2GB of RAM.
- * Keyboard.
- * Monitor.

2. SOFTWARE REQUIREMENTS

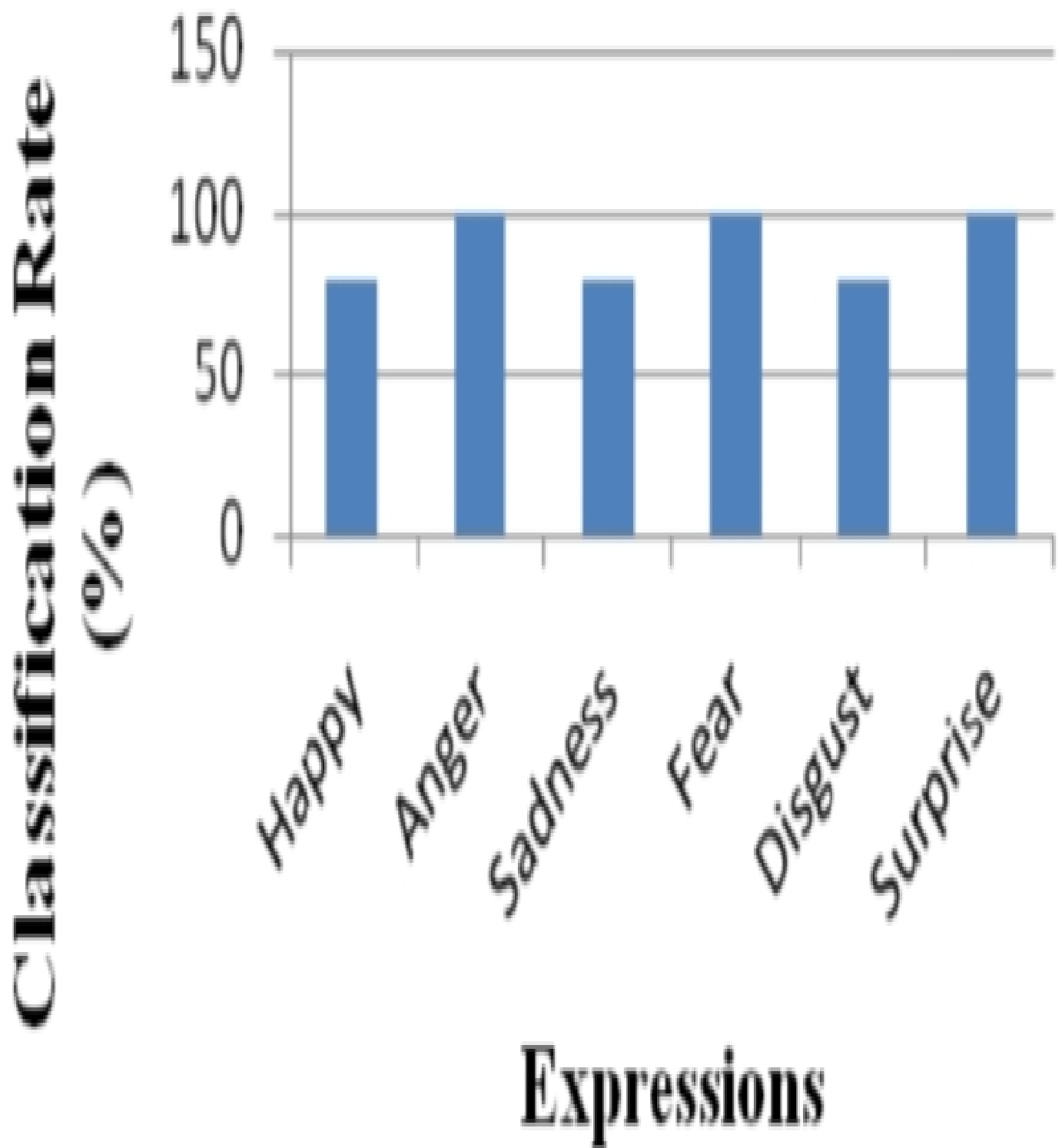
- * Pycharm professional (for python django)

ClassificationResults

Classification Results

Class in Test Set		Happy	Anger	Sadness	Fear	Disgust	Surprise	%
	Happy	4	0	1	0	0	0	80.00%
	Anger	0	4	0	0	0	0	100.00%
	Sadness	0	0	4	0	1	0	80.00%
	Fear	0	0	0	4	0	0	100.00%
	Disgust	1	0	0	0	4	0	80.00%
	Surprise	0	0	0	0	0	4	100.00%

	Classificat	Data	Distance	Test Set	Training	Output
	Algorithm	Normalizati	Measure	File	Set File	File
►	K-nearest Neigh...	None	Euclidean Dista...	C:\CVIPtools\bi...	C:\CVIPtools\bi...	C:\CVIPtools\bi...
	FeatureFile 1					
	Image name	Object's row co...	Object's column ...	RST1	RST2	RST3
	RST4	RST5	RST6	RST7	Texture energy ...	Texture energy r..
	Inertia average (...)	Inertia range	Correlation aver...	Correlation rang...	Inverse diff aver...	Inverse diff rang...
	Texture entropy ...	Texture entropy ...				
	Test Set Information					



ClassificationResults

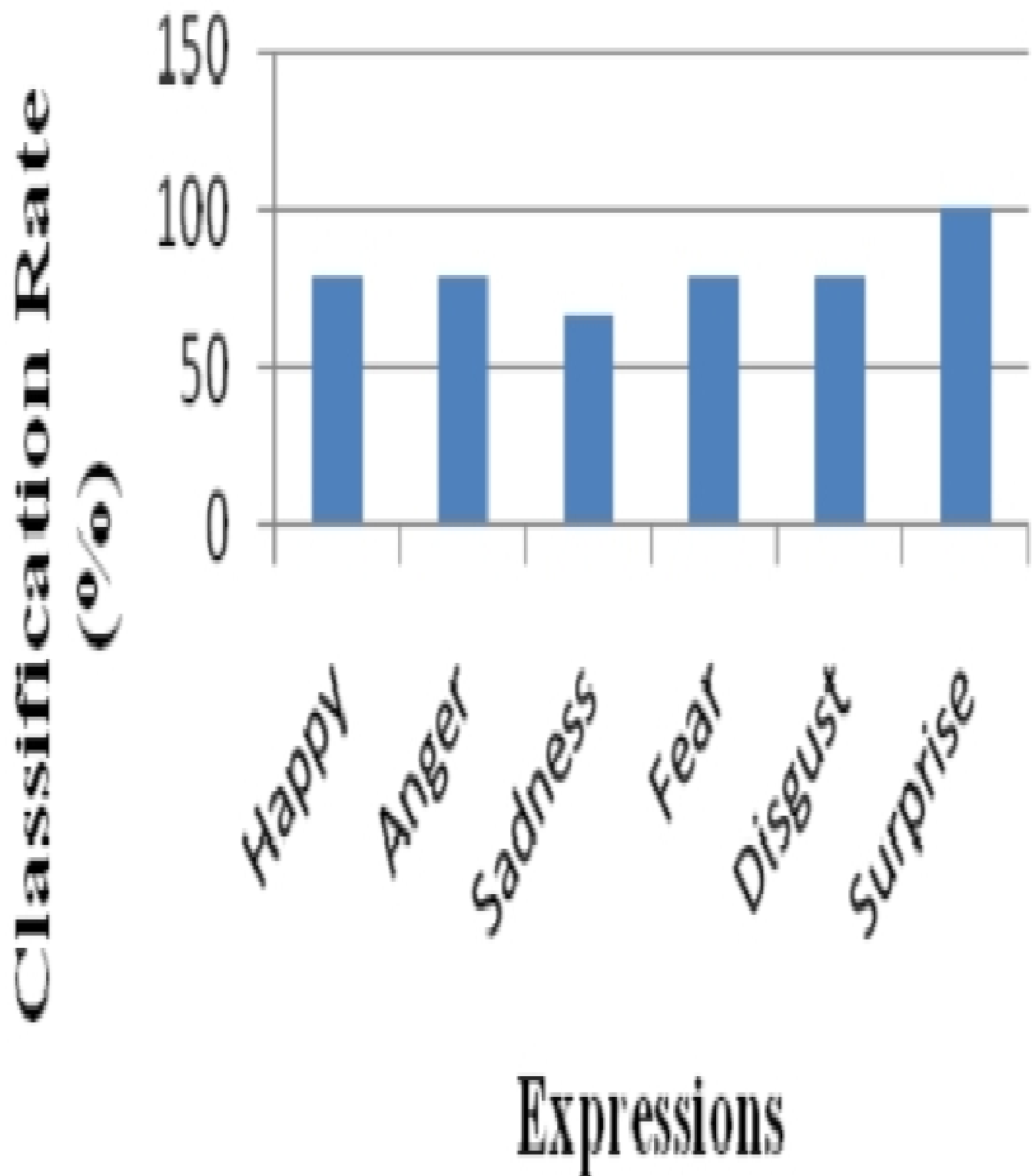
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Class
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Sadness	0	0	4	0	1	0	80.00%
Fear	0	0	0	4	0	0	100.00%
Disgust	1	0	0	0	4	1	66.67%
Surprise	0	0	0	0	0	4	100.00%

	Classificat Algorithm	Data Normalizati	Distance Measure	Test Set File	Training Set File	Output File	^
▶	K-nearest Neigh...	None	Euclidean Dista...	C:\CVIPtools\bi...	C:\CVIPtools\bi...	C:\CVIPtools\bi...	
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	Inertia average (...)	Inertia range	Correlation aver...	Correlation rang...	Inverse diff aver...	Inverse diff rang...	
	Texture entropy ...	Texture entropy ...					
	Test Set Information						▼

OK



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Director





CHAPTER 6

CONCLUSION AND FUTURE WORK

6.1 CONCLUSION

The system also has a feature that allow facial recognition app to send a notification to registered people on the application requesting for emotions and feelings

6.2 FUTURE WORK

We have already entered the age of Information Technology, where all the paper work / manually managed files are about to finish, now with the help of this user friendly software all the files stored in the computer can be very well formatted. With little more modifications it will become the good software for Blood Bank. The present ³ facial recognition⁷ project may be further developed for more complex transactions and to meet the requirements of modern day dynamic System Operation New options and their respective implementation may be Done in future.

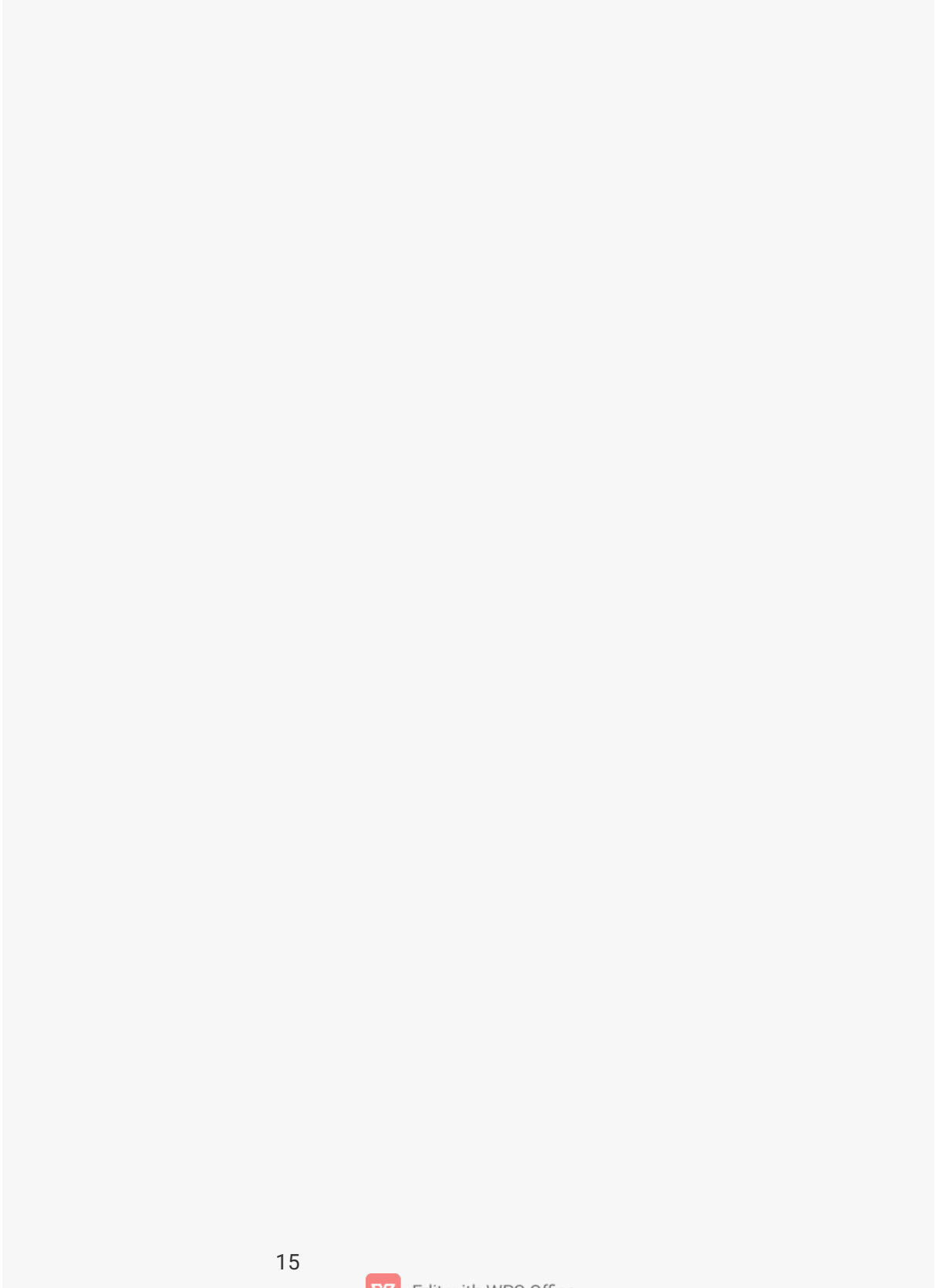
REFERENCES

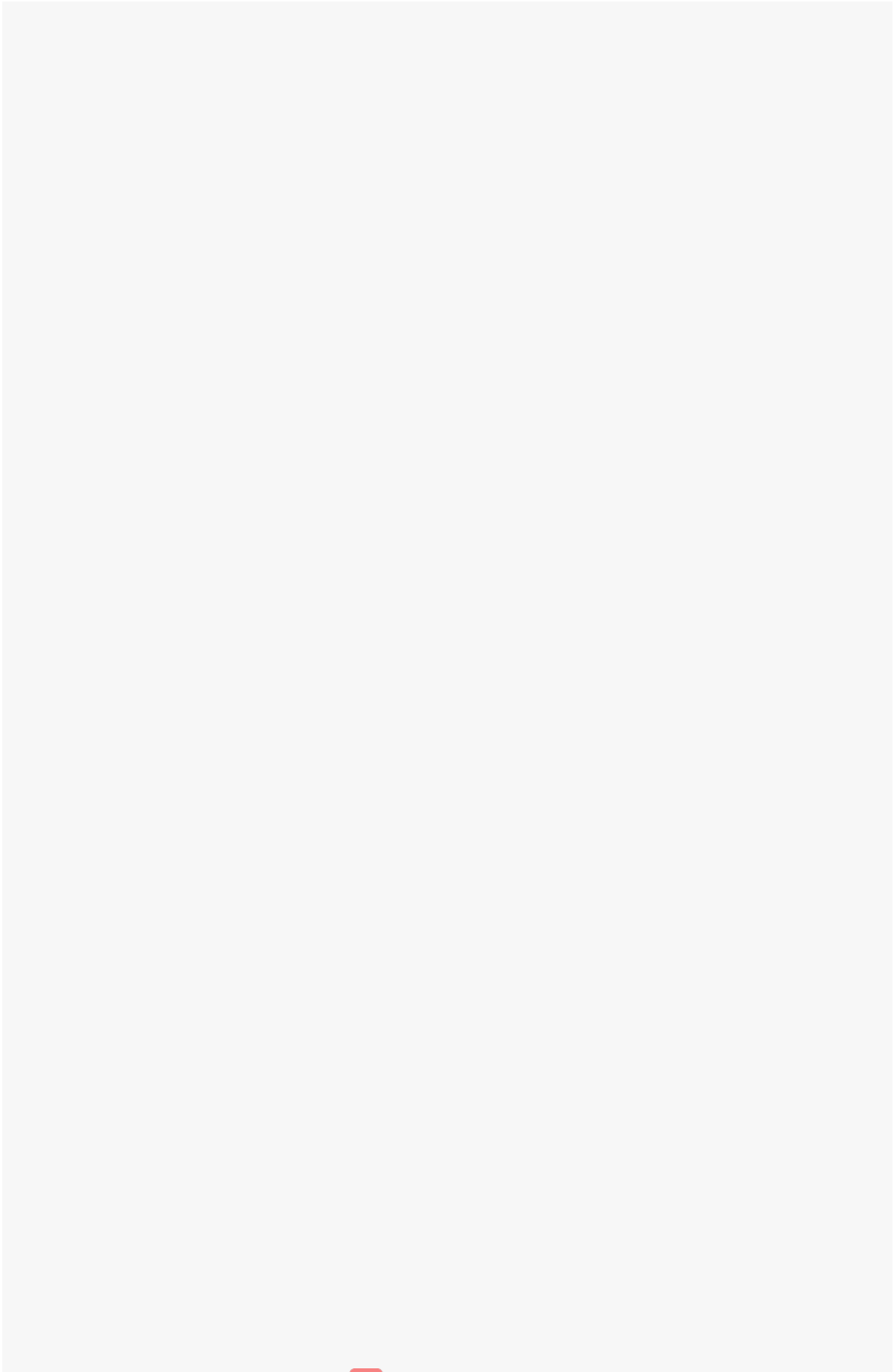
[1] PYTHON : <https://www.w3schools.com/python/>

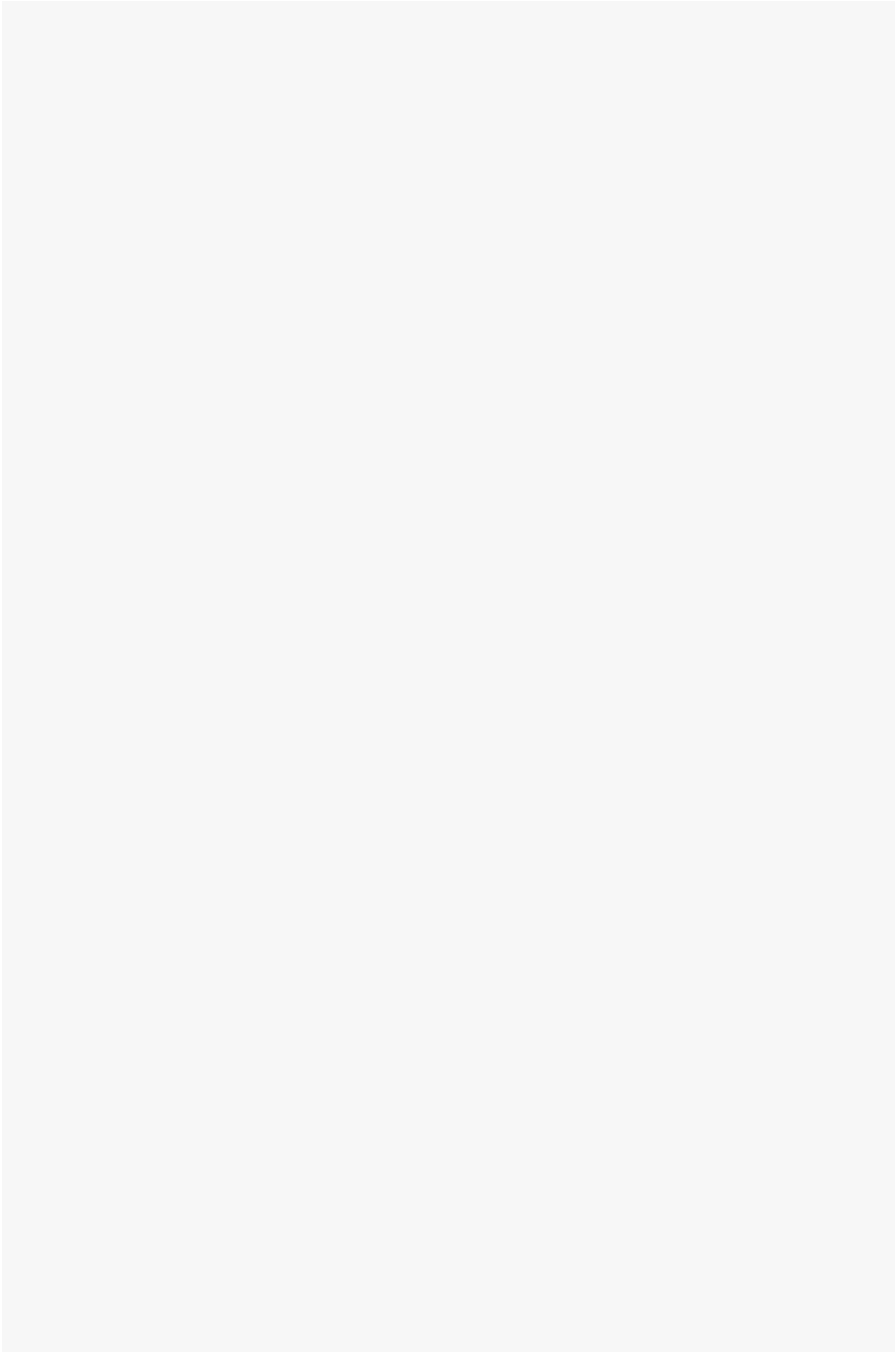
[2] Google

APPENDICES

SOURCE CODE







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