WAVOO WAJEEHA WOMEN'S COLLEGE

OF ARTS AND SCIENCE, KAYALPATNAM

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

Run by Wavoo SAR Educational Trust

(Minority Institution)

DEPARTMENT OF COMPUTER SCIENCE

ANNUAL REPORT 2021-22

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DEPARTMENT OF COMPUTER SCIENCE

ANNUAL REPORT 2021-22

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INAGURATION

We, the department of Computer Science feel immense pleasure in documenting our progress and attainments for the academic year 2021-2022.

GUEST LECTURE

The APEX association's first event for the academic year 2021 – 2022 was held on 28/08/2021. The resource person of the virtual power seminar was Mr. Raj Arun, Coordinator, ICT Academy. He gave a lecture on the topic "**Career opportunities in python and its applications**".

Fig 1:Guest lecture on topic python and its applications (ANNEXURE 1)

The APEX association's second event,a virtual seminar was held on 09/10/2021 . The resource person of the meeting was Dr.M.Sujithra, Assistant Professor, Department of computing Data Science,Coimbatore. She gave an appealing lecture on the topic "**An insight into Data Science".**

Fig 2:Guest lecture on An Insight into Data Science(ANNEXURE 2)

ASSOCIATION COMPETITIONS

As a part of our association activity and in order to fortify the technical skills of the students, various competitions like Poster Presentation in Recent Trends, Software Marketing, and Web Page Designing were conducted for I CS, II CS and III CS respectively. **(ANNEXURE 3)**

Poster Presentation in any Recent Technology			
S.No	**Name of the Student**	**Class**	**Place**
1	UmmuSalamah.H.N YasminAbrose.H Vinisha.T MohdoomMeeraNachi.M.S	I-CS	I
2	NasihaFathima.M Haseena.K NihamathSameeha.H Devika.P.G	I-CS	II
Software Marketing			
S.No	**Name of the Student**	**Class**	**Place**
1	HathunThowhidha.J.S AhamedYameena.A KatheejaRizvia.M.K Zainab.B.	II-CS	I
2	AyshaJasra.M.R Fathima Hajara.M.Y Aysha.N	II-CS	II
Web Page Design Using .Net			
S.No	**Name of the Student**	**Class**	**Place**
1	Maha Lakshmi M	III-CS	I
2	MariyamUshra.H	III-CS	II

Faculty Enhancement Activities

Staff members have shown their fanatical interest, to participate in faculty developmental programmes organized by reputed institutions. It would enable faculty members to update their research and pedagogical skills and to augment the academic and intellectual environment in the Institution.**(ANNEXURE 4)**

Staff Activities

S. No	Name of the Faculty	Event/Topic Name	Date	Organised By
1.	Mrs.A. Nesa Agnes Bellinta	Research and Innovation: Challenges and Opportunities	30th June 2021.	SadakathullahAppa College, Tirunelveli
		PCAP: Programming Essentials in Python	26 August 2021	ICT Academy and Python Institute
2	Dr.Mrs.J. Kavitha	Online Capacity Building FDP On E - Content Development	6-12 July 2021	SadakathullahAppa College, Tirunelveli
		Research and Innovation: Challenges and Opportunities	30th June 2021.	SadakathullahAppa College (Autonomous)
3	Mrs.Siva Mahalakshmi	Research and Innovation: Challenges and Opportunities	30th June 2021.	SadakathullahAppa College
		Two Week National Level FDP on Machine Learning and Artificial Intelligence in Data Science(Phase-II)	24 th May to June 2, 2021	PACE Institute of Technology and Sciences, Ongole
		PCAP: Programming Essentials in Python	26 August 2021	ICT Academy and Python Institute
4	V.P. Kowsalya	Research and Innovation: Challenges and Opportunities	30th June 2021.	SadakathullahAppa College
		Two Week National Level FDP on Machine Learning and Artificial Intelligence in Data Science(Phase-II)	24 th May to June 2, 2021	PACE Institute of Technology and Sciences, Ongole

		PCAP: Programming Essentials in Python	26 August 2021	ICT Academy and Python Institute	

2	8.04.22	12th national Level Technical and cultural Symposium **"SIM'22"** (Paper Presentation Quiz Competition Debugging Software Marketing E-waste Mehandi Competition Cookery Competition)	S.A.R.AminaMusfeeka H.MariyamUsra A.UmmulMubina B.Ashreen Fathima M.FathimaSumaiyaBegam R.MuthuAsiha M.L.SithiHussaina C.Bavitha M.GomathiPriyanka P.Malini T.Vijayalakshmi M.T.MohammadNajeeba S.H.FathimuthuZoohara P.Ashwini A.Lakshmi S.Seyed Ali Fathima R.SeyedNabisathul Sameeha D.MariaIrudhayaRenuka C.Rejika C.RathiSobika S.MunieswariKalaivani S.SithiBalkisSafrin A.GnanaSelvaNIshan	Mrs. S.Siva Mahalakshmi	Francis Xavier Engineering college	2nd Price in Mehandi 3rd Price in Cookery

			thini			
3	7.05.22	Oneday Workshop on **"PHP for Beginners"**	T.Pooja M.MuthuMalathi R.AnnaSwetha M.Ramalakshmi M.Karthika @ Uma N.Esakkiammal @ suba R.Kathirveni	Mrs. S.Siva Mahalakshmi	Govindammal Aditanar College For Women Thiruchendur-628215	Participated

STUDENTS PARTICIPATION & ACHIEVEMENT

Our Students have Participated in numerous technical contests held at various institutions and brought laurels to the institution and the department Also they have participated in workshops and seminars to expand their knowledge in current technical drift.**(Annexure 5)**

S. No	Date	Workshop / Seminar/ Events	Name of the Students	Staff Accompanied	Organised By	Remarks
1	25.3.22	State level inter collegiate tech meet competition for computer science **"XPASO 2K22"**	K.M.S.Aysha Hilmiya M.A.Zeenath sulthana T.Pooja R.Anna Swetha N.Essakiammal @ Suba M.L.Zuhaina P.Abarna K.Karthika T.Snowlin S.Fathima Alfiya	Dr. J.Kavitha	St.Xavier's College Palayamkottai	Participated
2	8.04.22	12th national Level Technical and cultural Symposium **"SIM'22"** (Paper Presentation Quiz Competition Debugging Software Marketing E-waste Mehandi Competition Cookery Competition)	S.A.R.Amina Musfeeka H.Mariyam Usra A.Ummul Mubina B.Ashreen Fathima M.Fathima Sumaiya Begam R.Muthu Asiha M.L.Sithi Hussaina C.Bavitha M.Gomathi Priyanka P.Malini T.Vijayalakshmi M.T.Mohammad Najeeba S.H.Fathimuthu Zohara P.Ashwini A.Lakshmi S.Seyed Ali Fathima R.Seyed Nabisathul Sameeha D.Maria Irudhaya Renuka C.Rejika C.Rathi Sobika S.Munieswari Kalaivani S.Sithi Balkis Safrin A.Gnana Selva NIshanthini	Mrs. S.Siva Mahalakshmi	Francis Xavier Engineering college	2nd Price in Mehandi 3rd Price in Cookery
3	7.05.22	One day Workshop on **"PHP for Beginners"**	T.Pooja M.Muthu Malathi R.Anna Swetha M.Ramalakshmi M.Karthika @ Uma N.Esakkiammal @ suba R.Kathirveni	Mrs. S.Siva Mahalakshmi	Govindammal Aditanar College For Women Thiruchendur-628215	Participated

ADD ON COURSES

Coursera Certification Courses

Coursera is an awesome and legitimate platform that brings higher education and skill acquisition to the world for competitive prices. Our students have actively participated in these courses and got benefitted**.(Annexure 5)**

Class: III CS

S.NO	STUDENTS NAME	COURSE NAME
1	C.Bavitha	Write Professional E-mails in English
2	C.RathiSobica	Initiating and Planning Projects
3	T.SanoferRasviya	Initiating and Planning Projects
4	FathimuthuZohara	Programming For Everybody(Getting Started With Python)
5	S.SithiBalkisSafrin	Initiating and Planning Projects
6	M.HismulFarisha	First Step Korean
7	M.NusrathBanu	Initiating and Planning Projects
8	G.Manimekalai	Initiating and Planning Projects
9	S.MuthuJothika	Initiating and Planning Projects
10	M.GomathiPriyanka	Programming For Everybody(Getting Started With Python)
11	P.MariaIrudhayaRenuka	Initiating and Planning Projects
12	R.SeyedNabisathul Sameeha	Initiating and Planning Projects
13	P.Ashwini	Initiating and Planning Projects
14	R.Rajeswari	Initiating and Planning Projects
15	B.Ashreen Fathima	Excel Skills For Business Essentials

Class:II CS

S. No	Student Name	Course
1	R. Anna Swetha	SQL for Data Science
2	R. KathirVeni	SQL for Data Science
3	M.A.K.B. Mohamed Fathima	Programming Foundations with JavaScript, HTML and CSS
4	M. T. Samu Fathima	SQL for Data Science
5	P. Mathusha	Introduction to HTML5
6	A. Jesi Grace	Introduction to HTML5
7	M. Karthika@Uma	SQL for Data Science
8	N. Esakkiammal@Suba	Programming for Everybody(Getting Started with Python)
9.	M. Ramalakshmi	Programming for Everybody(Getting Started with Python)
10	M. Essiyamuna	Introduction to HTML5
11	P. Abarna	Introduction to HTML5
12	M .MuthuMalathi	SQL for Data Science
13	S.M.I. Thoufeeka	SQL for Data Science

PYTHON CERTIFICATION COURSE-PROGRAMMING ESSENTIALS IN PYTHON

Our students have also accomplished a certification course with self -learning organized by ICT Academy.

Class:II CS

S. No	Student Name
1	A. AhamedYameena
2	P. Mathusha
3	B. Zainab

4	T. Pooja
5	M.N. ZainabKatheeja
6	M.S. Salma Nahla
7	Hathun Thouhida

Class: III CS

S. No	Student Name
1	S. SithiBalkisSafrin
2	C. RathiSobica
3	D. MariyaIruthayaRenuka
4	M. NusrathBanu
5	R. SeyedNabisathul Sameeha
6	C. Rejika

STUDENTS' EXCURSION

35students have been taken to Kodaikanalon 22.03.2022in order to promote their exposure in informal learning.

PARENT TEACHER ASSOCIATION

The PTA is playing a pivotal role in the efficient functioning of the college. On 28/02/2022, the PTA meeting was conducted. Parent's grievances were considered and they were assured of a solution as earlier as possible. The PTA is maintaining close relationship with the college and authorities to strengthen the higher education programs initiated in this rural area.

ACADEMIC ATTAINMENTS:

One of the incredible achievement of our department, is that our students have acquired following University Ranks.

2018-2021 Batch

S.No	Name	CGPA	Rank
1	K.Sornalakshmi	9.34	7

Thus the activities of our department lucratively came to an end with splendid accomplishment of our students and the dedication of our faculty members in imparting knowledge to the students.

ANNEXURE 1

Fig 1-career opportunities in python and its applications

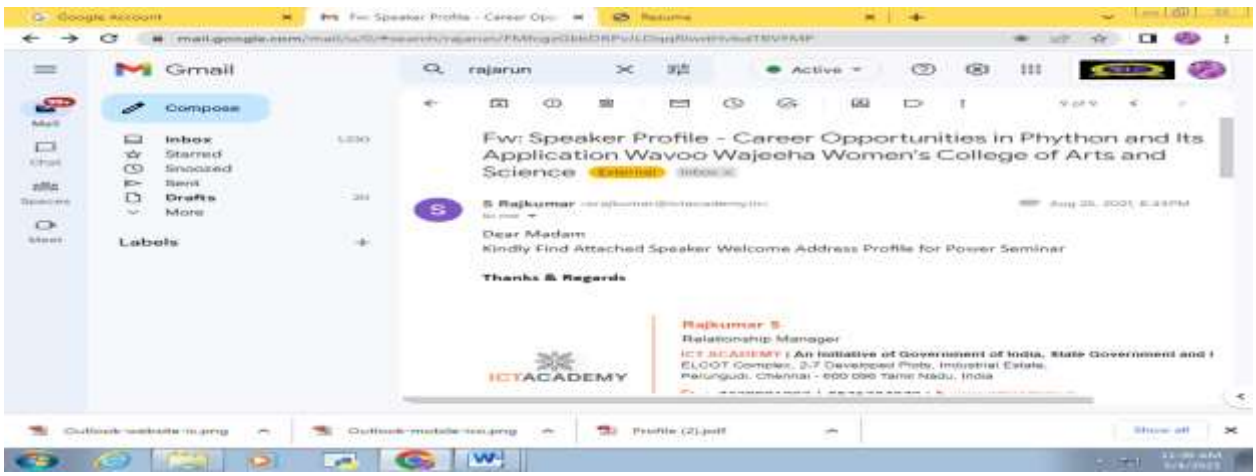
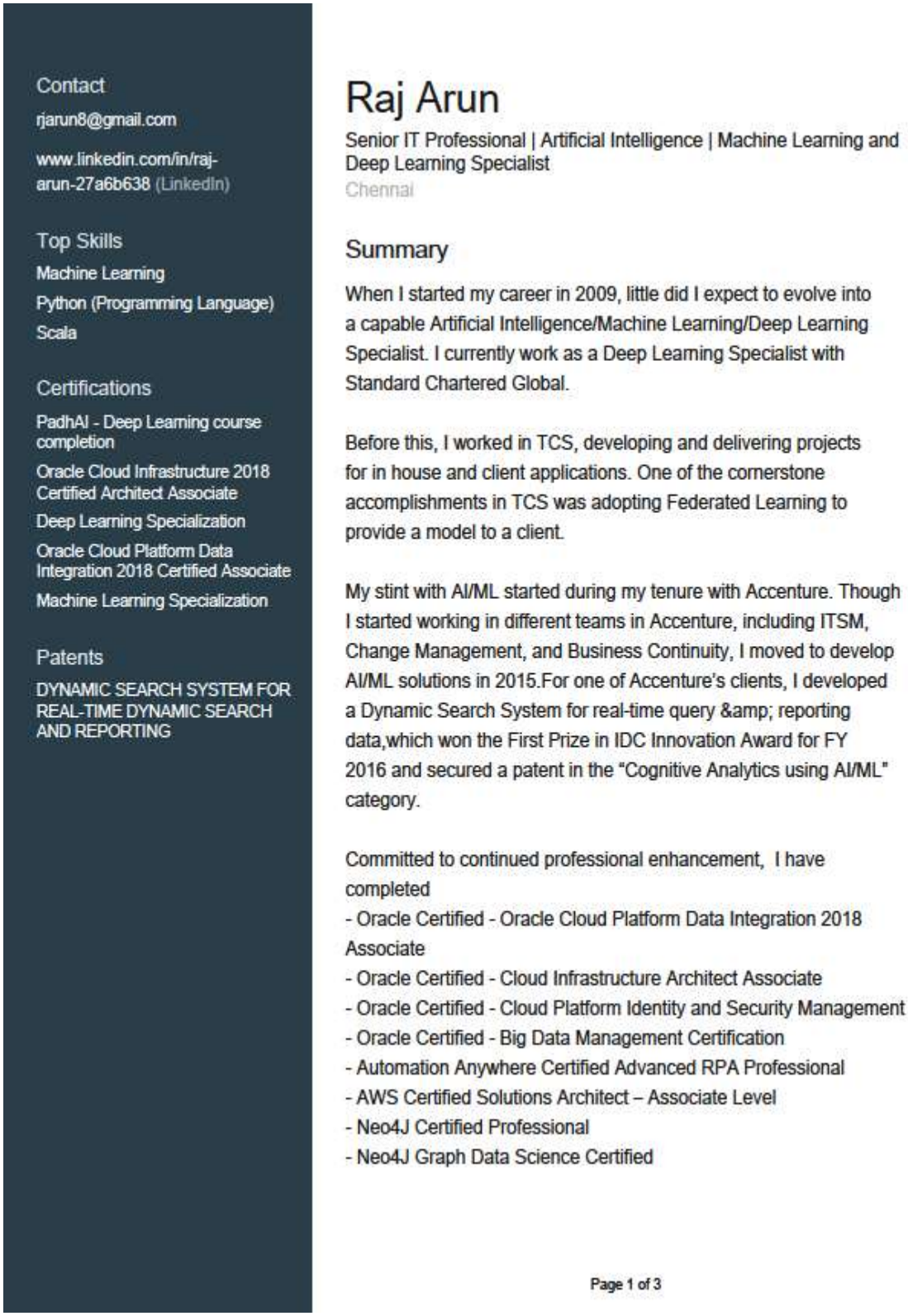


Fig 2-career opportunities in python and its applications

Fig 2-Certification of participation



Contact

rjarun8@gmail.com

www.linkedin.com/in/raj-arun-27a6b638 (LinkedIn)

Top Skills

Machine Learning

Python (Programming Language)

Scala

Certifications

PadhAI - Deep Learning course completion

Oracle Cloud Infrastructure 2018 Certified Architect Associate

Deep Learning Specialization

Oracle Cloud Platform Data Integration 2018 Certified Associate

Machine Learning Specialization

Patents

DYNAMIC SEARCH SYSTEM FOR REAL-TIME DYNAMIC SEARCH AND REPORTING

Raj Arun

Senior IT Professional | Artificial Intelligence | Machine Learning and Deep Learning Specialist

Chennai

Summary

When I started my career in 2009, little did I expect to evolve into a capable Artificial Intelligence/Machine Learning/Deep Learning Specialist. I currently work as a Deep Learning Specialist with Standard Chartered Global.

Before this, I worked in TCS, developing and delivering projects for in house and client applications. One of the cornerstone accomplishments in TCS was adopting Federated Learning to provide a model to a client.

My stint with AI/ML started during my tenure with Accenture. Though I started working in different teams in Accenture, including ITSM, Change Management, and Business Continuity, I moved to develop AI/ML solutions in 2015.For one of Accenture's clients, I developed a Dynamic Search System for real-time query & reporting data,which won the First Prize in IDC Innovation Award for FY 2016 and secured a patent in the "Cognitive Analytics using AI/ML" category.

Committed to continued professional enhancement, I have completed
- Oracle Certified - Oracle Cloud Platform Data Integration 2018 Associate
- Oracle Certified - Cloud Infrastructure Architect Associate
- Oracle Certified - Cloud Platform Identity and Security Management
- Oracle Certified - Big Data Management Certification
- Automation Anywhere Certified Advanced RPA Professional
- AWS Certified Solutions Architect – Associate Level
- Neo4J Certified Professional
- Neo4J Graph Data Science Certified

Page 1 of 3

Fig 3-Profile of Guest

ANNEXURE 2

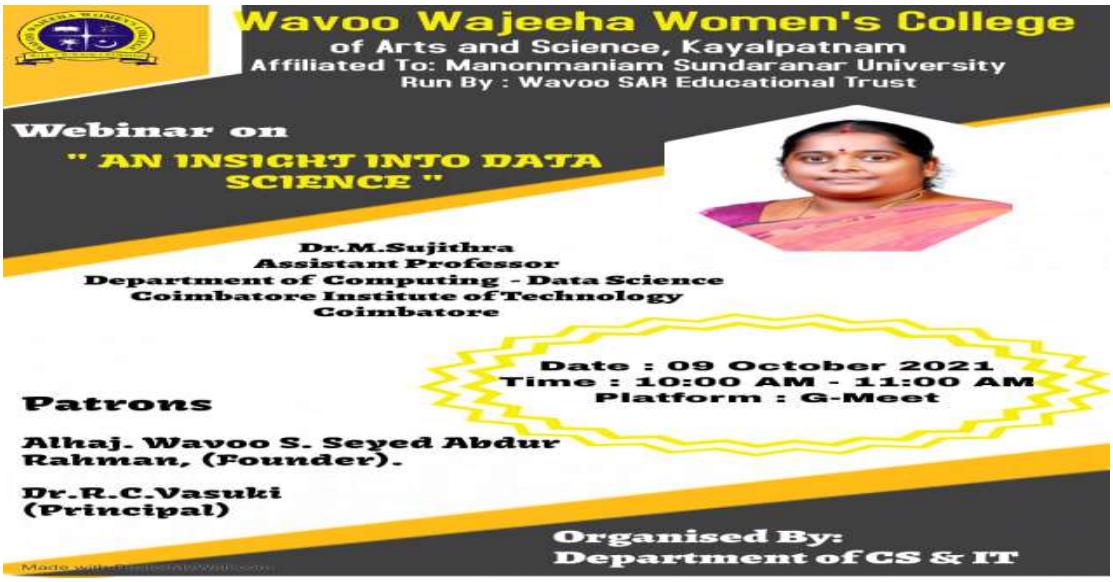


Fig 4-Webinaron an insight on data science

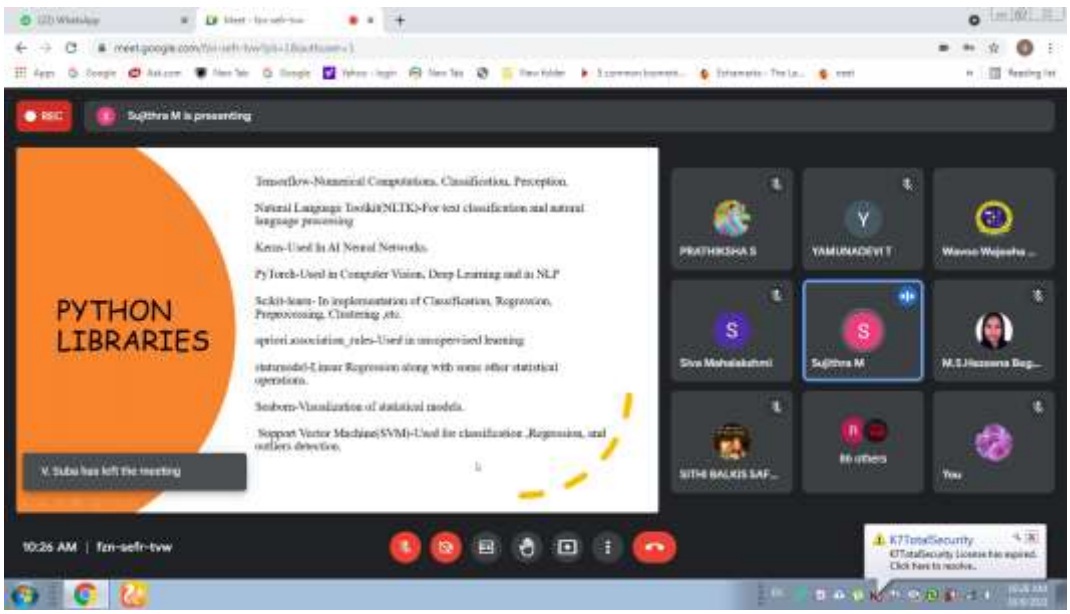


Fig 5-Webinaron an insight on data science

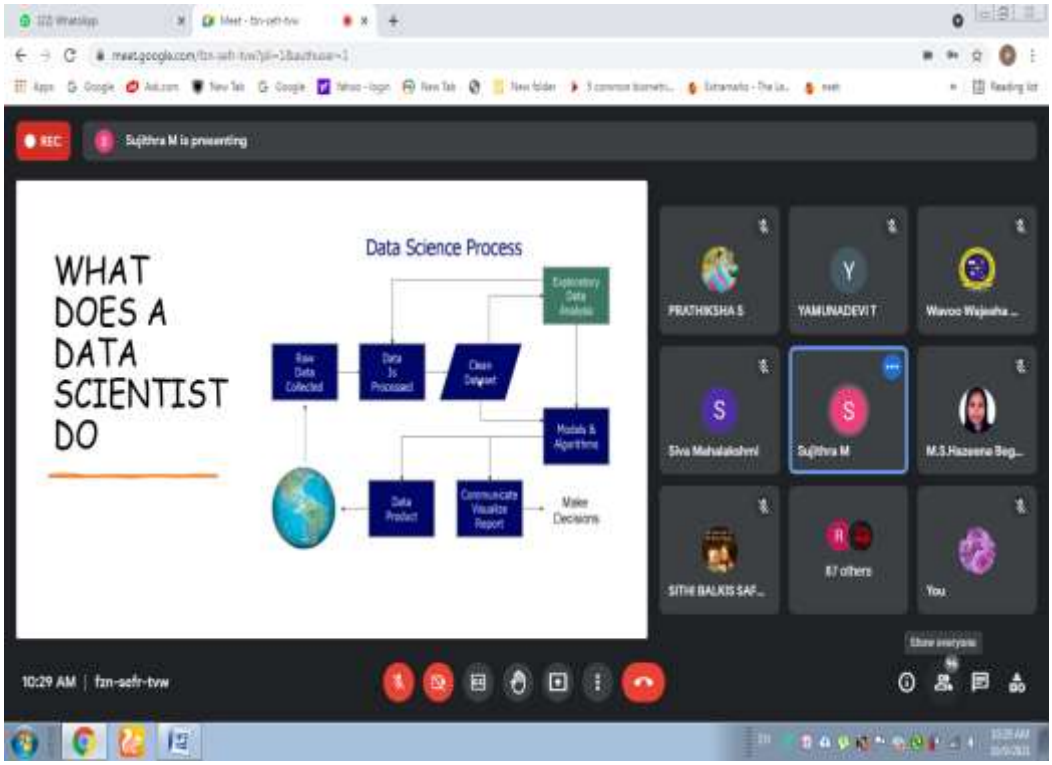
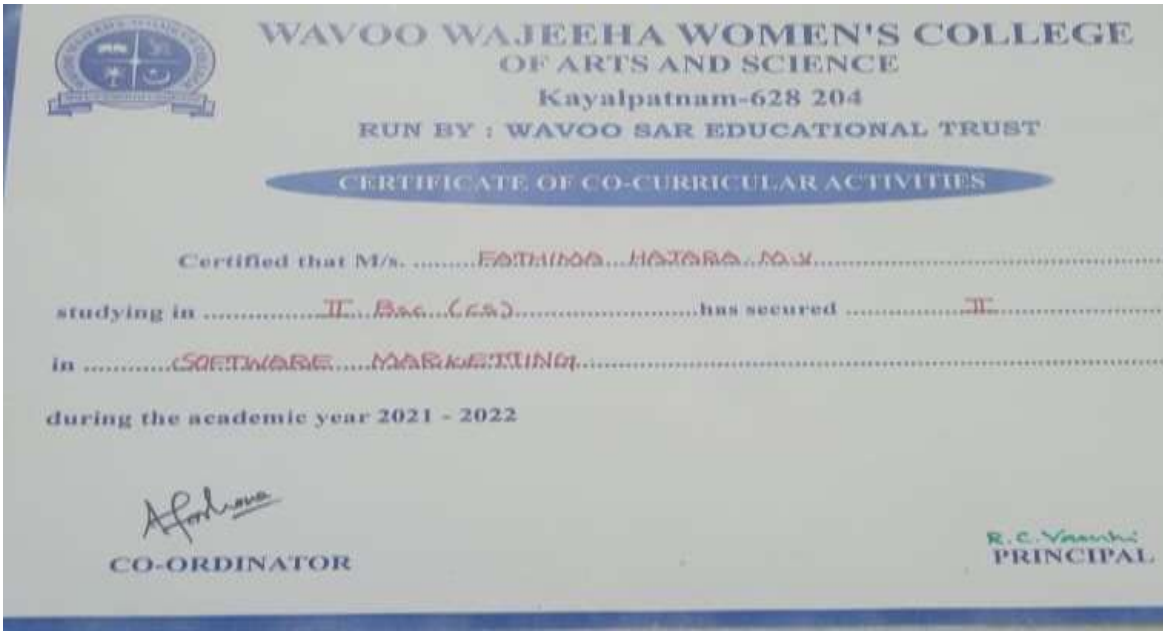


Fig 6-Webinaron an insight on data science

ANNEXURE 3



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST

CERTIFICATE OF CO-CURRICULAR ACTIVITIES

Certified that M/s. FATHIMA HAJARA M.Y

studying in II Bsc (CS) has secured II

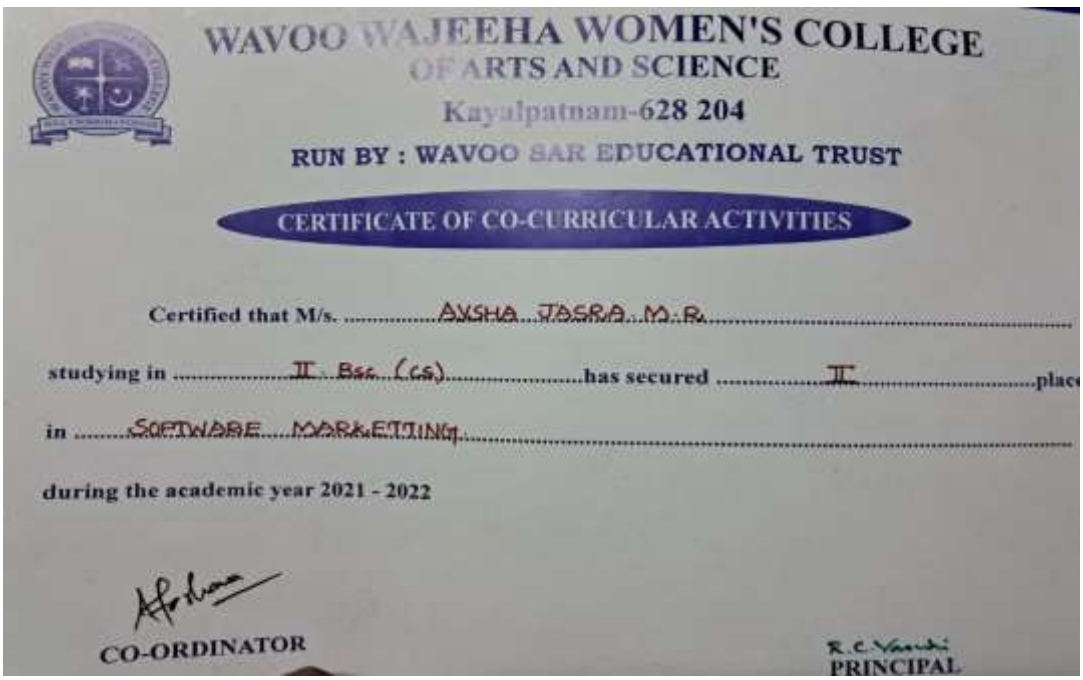
in SOFTWARE MARKETTING

during the academic year 2021 - 2022

CO-ORDINATOR

R.C. Vasuki
PRINCIPAL

Fig 7-Certificate for software marketing competition



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST

CERTIFICATE OF CO-CURRICULAR ACTIVITIES

Certified that M/s. AYSHA JASRA M.R

studying in II Bsc (CS) has secured II place

in SOFTWARE MARKETTING

during the academic year 2021 - 2022

CO-ORDINATOR

R.C. Vasuki
PRINCIPAL

Fig 8-Certificate for software marketing competition

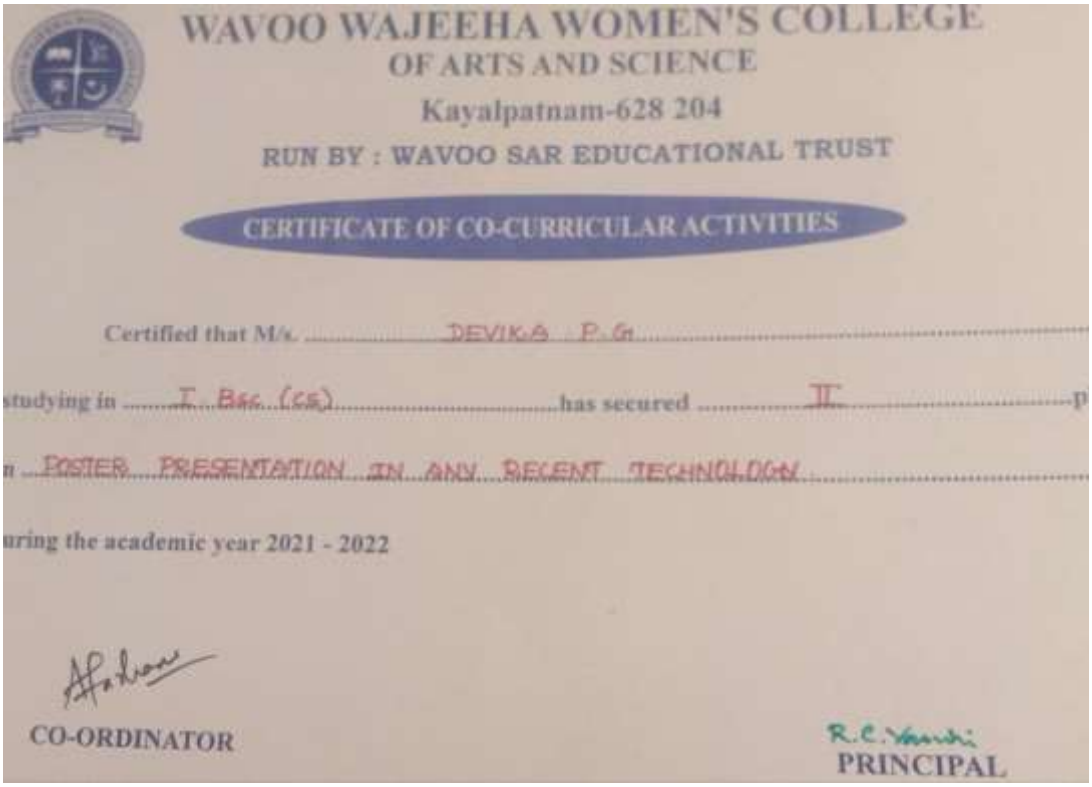

WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST
CERTIFICATE OF CO-CURRICULAR ACTIVITIES
Certified that M/s. DEVIKA P.G
studying in I Bsc (cs) has secured II p
n POSTER PRESENTATION IN ANY RECENT TECHNOLOGY
uring the academic year 2021 - 2022
CO-ORDINATOR
PRINCIPAL

Fig 9 -Certificate for poster presentation competition

WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST
CERTIFICATE OF CO-CURRICULAR ACTIVITIES
Certified that M/s. HASEENA K
studying in I Bsc (cs) has secured II
in POSTER PRESENTATION IN ANY RECENT TECHNOLOGY
during the academic year 2021 - 2022
CO-ORDINATOR
PRINCIPAL

Fig 10-Certificate for poster presentation competition

WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST

CERTIFICATE OF CO-CURRICULAR ACTIVITIES

Certified that M/s. MOHIDEEN MEERA NACHI M.S

studying in I. Bsc (CS) has secured I

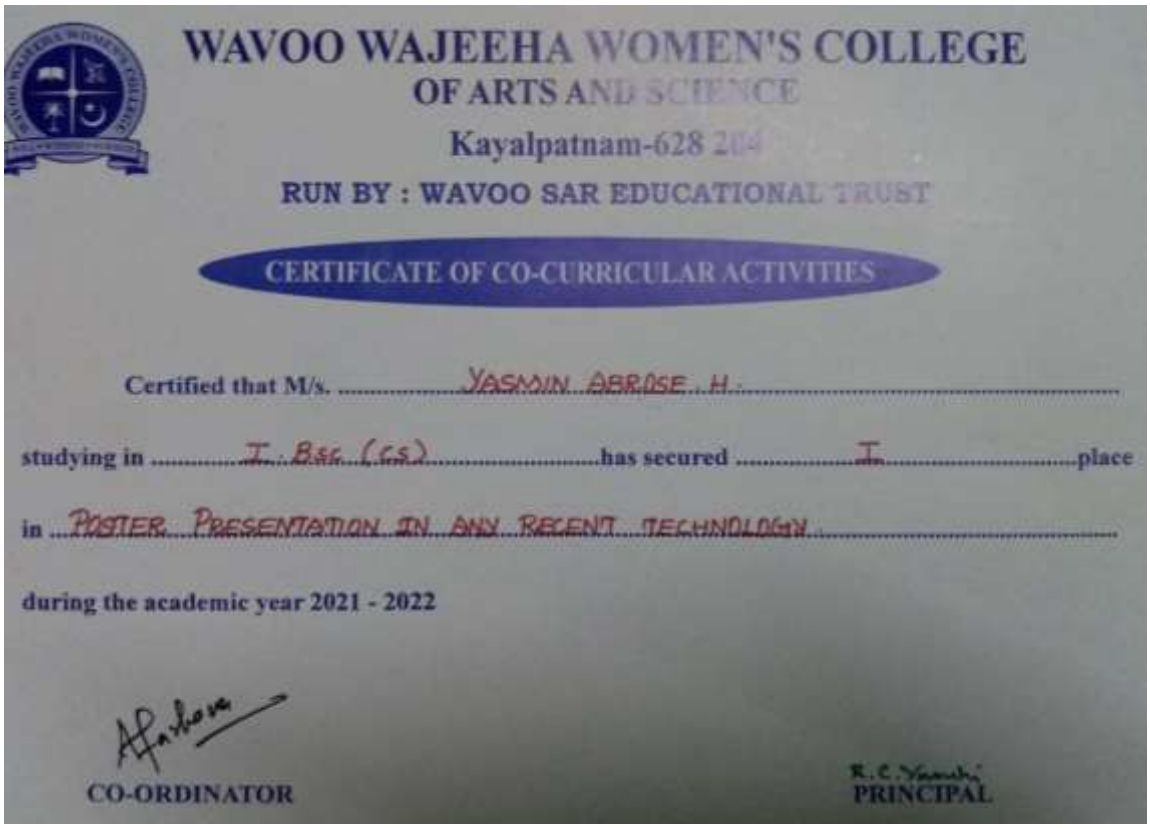
in POSTER PRESENTATION IN ANY RECENT TECHNOLOGY

during the academic year 2021 - 2022

CO-ORDINATOR

R. C. Vasanthi
PRINCIPAL

Fig 11-Certificate for poster presentation competition



WAVOO WAJEEHA WOMEN'S COLLEGE
OF ARTS AND SCIENCE
Kayalpatnam-628 204
RUN BY : WAVOO SAR EDUCATIONAL TRUST

CERTIFICATE OF CO-CURRICULAR ACTIVITIES

Certified that M/s. YASMIN ABROSE. H.

studying in I. Bsc (CS) has secured I place

in POSTER PRESENTATION IN ANY RECENT TECHNOLOGY

during the academic year 2021 - 2022

CO-ORDINATOR

R. C. Vasanthi
PRINCIPAL

Fig 12-Certificate for poster presentation competition

ANNEXURE 4

HOLY CROSS HOME SCIENCE COLLEGE

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Re-Accredited with 'B' Grade by NAAC
THOOTHUKUDI - 628 003. TAMIL NADU.

DEPARTMENT OF COMPUTER SCIENCE

Workshop on Machine Learning using Python

Certificate

This is to Certify that Dr / Mr. J. KAVITHA, ASST. PROF, DEPT. OF CS *of*

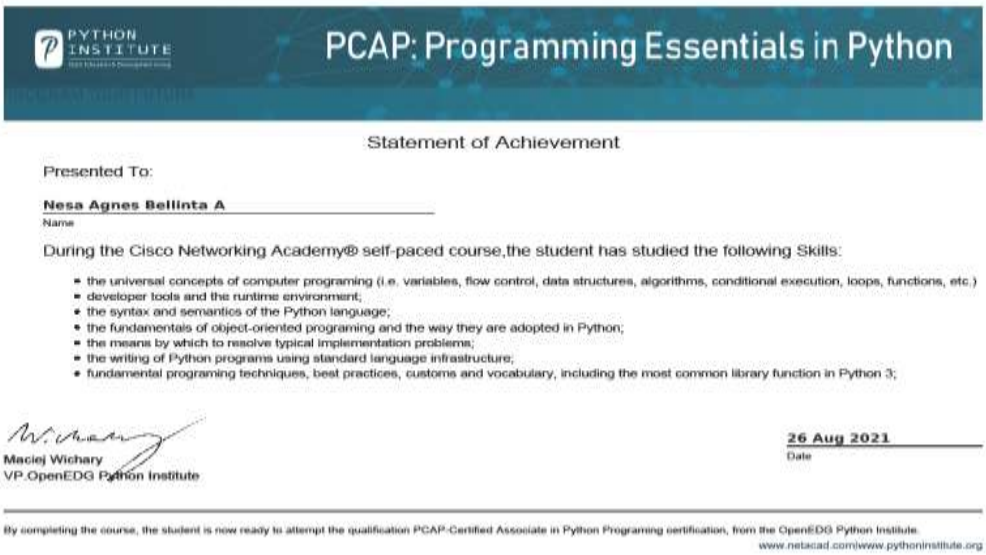
WAVOO WAHEEHA WOMEN'S COLLEGE OF ARTS & SCIENCE *actively participated in the WorkShop on "Machine Learning using Python" organised By the Department of Computer Science on 22.07.2022*

R. Waheetha
Mrs. R. Waheetha
Head
Department of Computer Science

Dr.Sr.M.S.Rubha
Principal
Holy Cross Home Science College

Shot on Y11
Vivo AI camera

Fig 13-Participation Certificate on machine learning using python



PYTHON INSTITUTE

PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

Nesa Agnes Bellinta A
Name

During the Cisco Networking Academy® self-paced course,the student has studied the following Skills:

- the universal concepts of computer programing (i.e. variables, flow control, data structures, algorithms, conditional execution, loops, functions, etc.)
- developer tools and the runtime environment;
- the syntax and semantics of the Python language;
- the fundamentals of object-oriented programing and the way they are adopted in Python;
- the means by which to resolve typical implementation problems;
- the writing of Python programs using standard language infrastructure;
- fundamental programing techniques, best practices, customs and vocabulary, including the most common library function in Python 3;

Maciej Wichary
VP.OpenEDG Python Institute

26 Aug 2021
Date

By completing the course, the student is now ready to attempt the qualification PCAP-Certified Associate in Python Programing certification, from the OpenEDG Python Institute.
www.netacad.com|www.pythoninstitute.org

Fig 14-Participation Certificate on machine learning using python

ANNEXURE 5

ST.XAVIER'S COLLEGE (AUTONOMOUS)

Recognized as "College with Potential for Excellence" by UGC

Accredited by NAAC at A++ Grade with a CGPA of 3.66 out of 4 in IV Cycle

Palayamkottai - 627 002

DEPARTMENT OF COMPUTER SCIENCE

XPASO - 2K22

A STATE LEVEL INTERCOLLEGIATE TECH MEET

CERTIFICATE OF EXCELLENCE

This is to certify that Mr./Ms. K. KARTHIKA of WAVOO WAJEERA COLLEGE has won (~~First~~ / ~~Second~~ / ~~Third~~) Prize / Participated in WORD HUNT competition held during XPASO-2K22 organized by the Department of Computer Science, St.Xavier's College (Autonomous), Palayamkottai on 25th March 2022.

Mrs.A.Driyani
Co-ordinator - XPASO 2K22

Dr.T.C.Rajakumar
Head of the Department

Rev.Dr.S.Mariadoss S.J
Principal

Fig 15-Participation Certificate of XPASCO -2K22

GOVINDAMMAL ADITANAR COLLEGE FOR WOME

(Reaccredited with B Grade by NAAC)

TIRUCHENDUR – 628 215

CERTIFICATE

This is to certify that Ms/Mrs. Anna Swetha R, III Bsc Cs, W

Wajeeba Arts and Science College has participated in the one day W

"PHP for Beginners" organized by the Department of Computer Application, Go

Aditanar College for Women, Tiruchendur on 07.05.2022.

Co-ordinator

Convener

Princip

Fig 16-Participation Certificate of PHP for Beginners workshop

ANNEXURE 6

Fig 17-Coursera certificate of Programming for everybody (Getting started with python)

Fig 18-Coursera certificate of Introduction to HTML 5

Fig 19-Coursera certificate of Programming for everybody (Getting started with python)

Fig 20-Coursera certificate of SQL for datascience

Fig 21-Coursera certificate of SQL for datascience

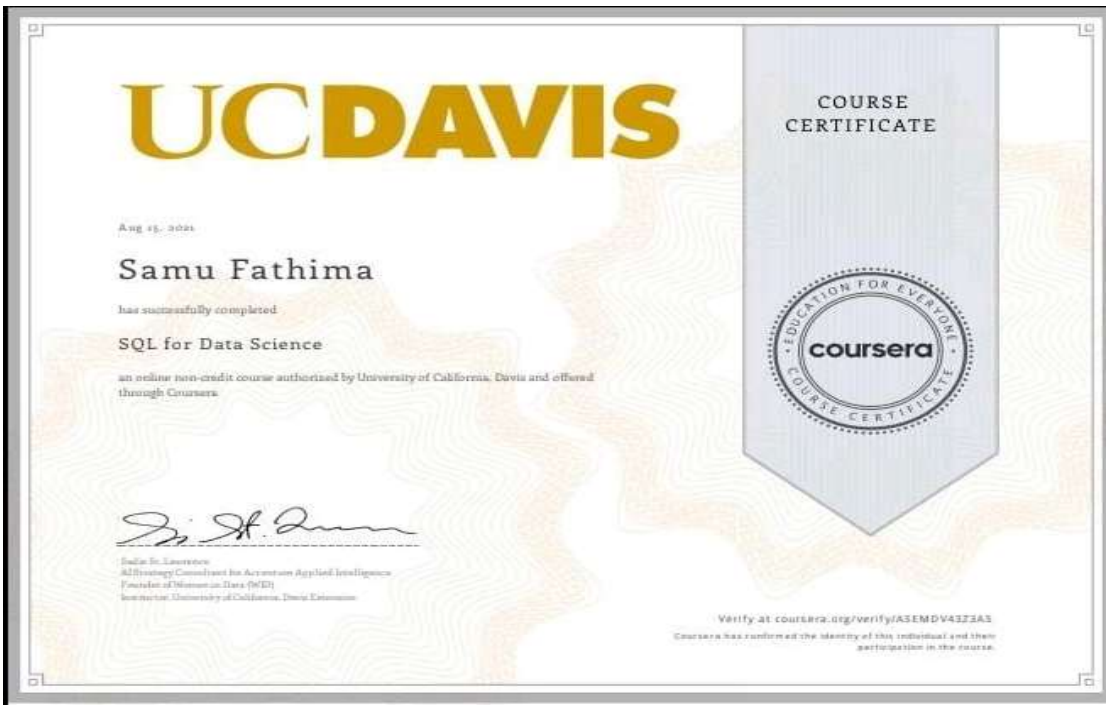


Fig 22-Coursera certificate of SQL for datascience

Fig 23-Coursera certificate of Introduction to HTML 5

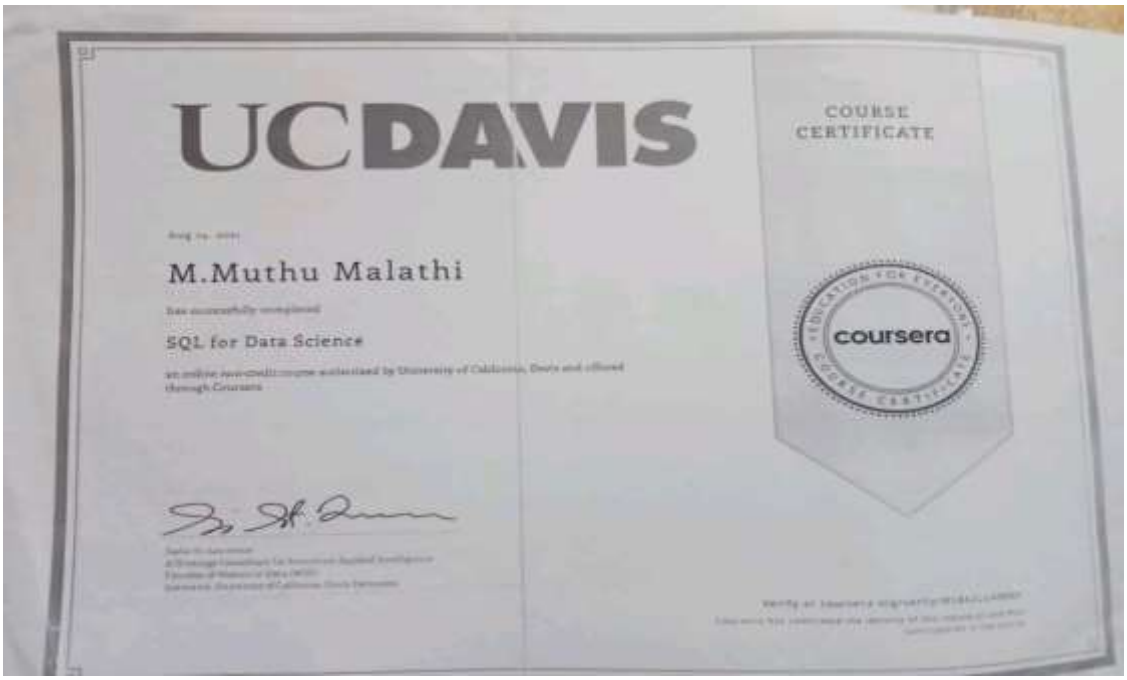


Fig 24-Coursera certificate of SQL for datascience

Fig 25-Coursera certificate of Programming for everybody (Getting started with python)

Fig 26-Coursera certificate of Introduction to HTML 5

Fig 27-Coursera certificate of Introduction to HTML 5

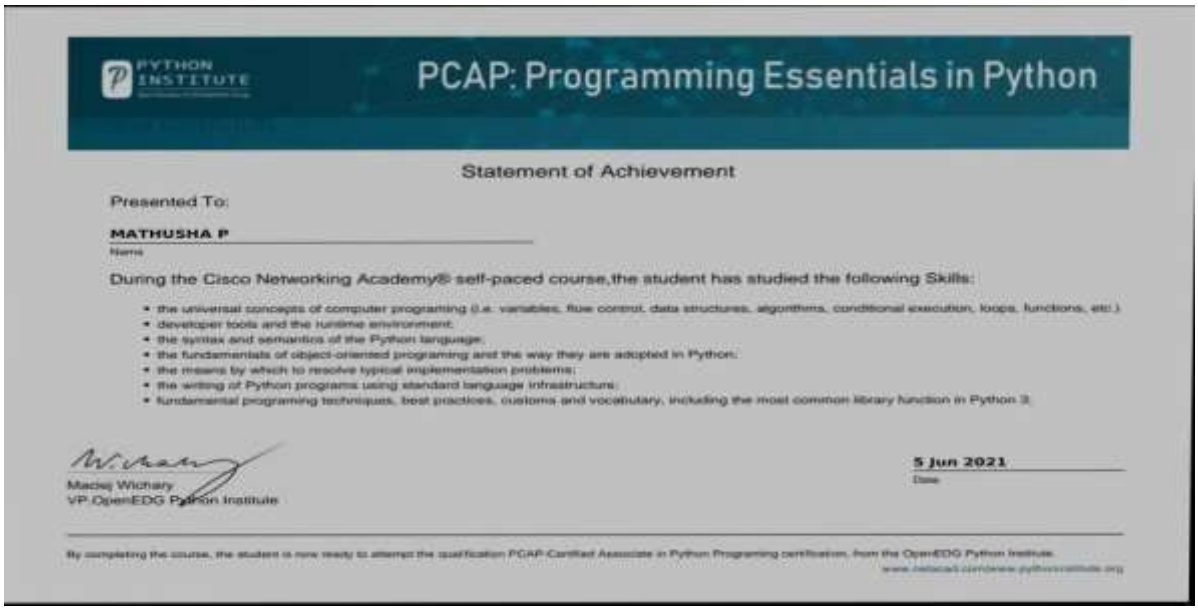


Fig 28-Coursera certificate of programming essentials in python

PYTHON INSTITUTE

PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

ZAINAB B

Name

During the Cisco Networking Academy® self-paced course,the student has studied the following Skills:

- the universal concepts of computer programing (i.e. variables, flow control, data structures, algorithms, conditional execution, loops, functions, etc.)
- developer tools and the runtime environment;
- the syntax and semantics of the Python language;
- the fundamentals of object-oriented programing and the way they are adopted in Python;
- the means by which to resolve typical implementation problems;
- the writing of Python programs using standard language infrastructure;
- fundamental programing techniques, best practices, customs and vocabulary, including the most common library function in Python 3.

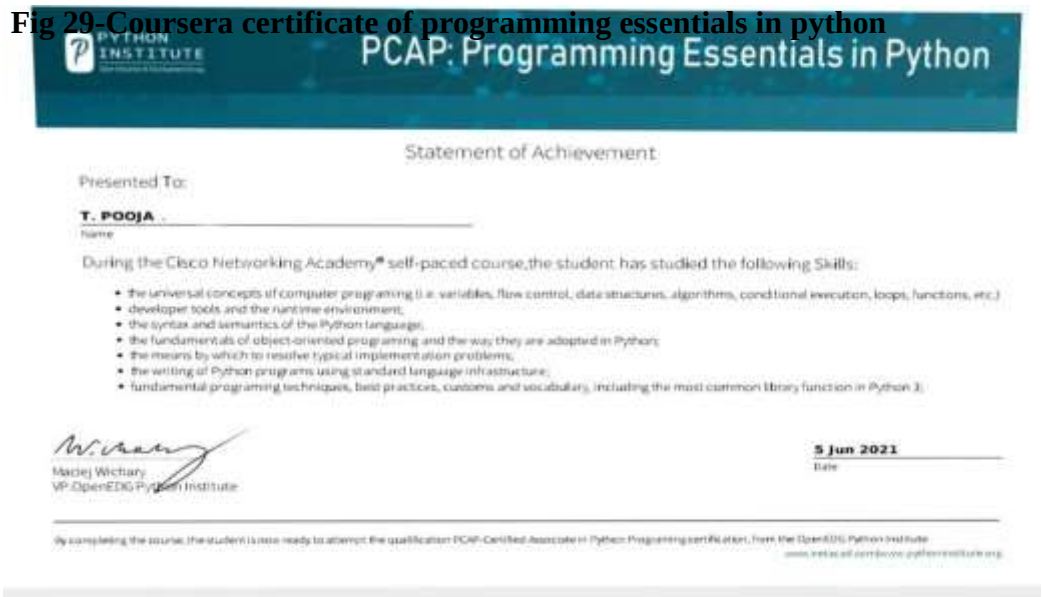
Maciej Wichary
VP OpenEDG Python Institute

25 Jun 2021

Date

By completing the course, the student is now ready to attempt the qualification PCAP-Certified Associate in Python Programing certification, from the OpenEDG Python Institute.

Fig 29-Coursera certificate of programming essentials in python



PYTHON INSTITUTE

PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

T. POOJA .

Name

During the Cisco Networking Academy® self-paced course,the student has studied the following Skills:

- the universal concepts of computer programing (i.e. variables, flow control, data structures, algorithms, conditional execution, loops, functions, etc.)
- developer tools and the runtime environment;
- the syntax and semantics of the Python language;
- the fundamentals of object-oriented programing and the way they are adopted in Python;
- the means by which to resolve typical implementation problems;
- the writing of Python programs using standard language infrastructure;
- fundamental programing techniques, best practices, customs and vocabulary, including the most common library function in Python 3.

Maciej Wichary
VP OpenEDG Python Institute

5 Jun 2021

Date

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Fig 30-Coursera certificate of programming essentials in python

PYTHON INSTITUTE

PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

M N ZAINAB KATHEEJA

Name

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Maciej Wichary
VP.OpenEDG Python Institute

21 Jun 2021

Date

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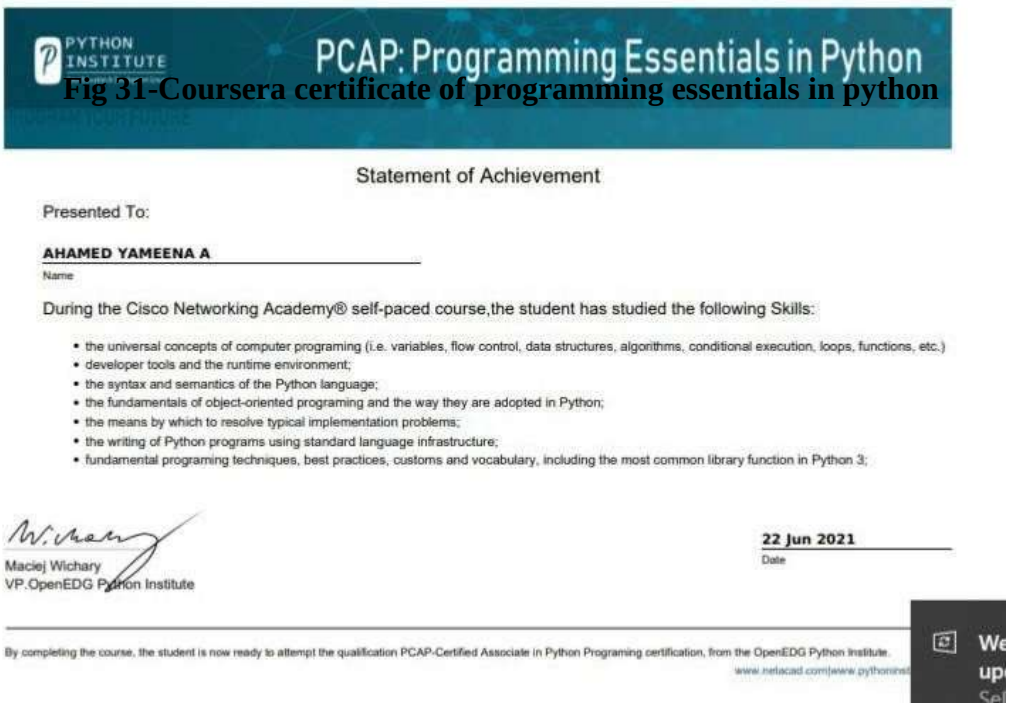
www.netacad.com|www.pythoninstitute.org

Fig 31-Coursera certificate of programming essentials in python



PYTHON INSTITUTE

PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

AHAMED YAMEENA A

Name

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Maciej Wichary
VP.OpenEDG Python Institute

22 Jun 2021

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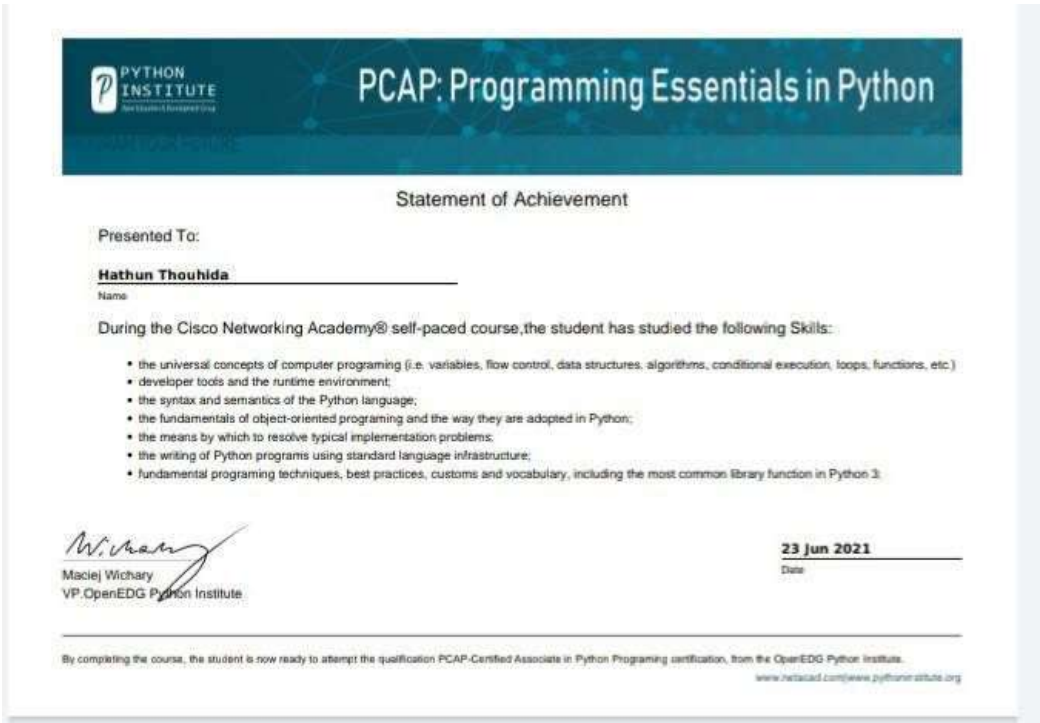
www.netacad.com|www.pythoninst

Fig 32-Coursera certificate of programming essentials in python



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PCAP: Programming Essentials in Python

Statement of Achievement

Presented To:

Hathun Thouhida

Name

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Maciej Wichary
VP.OpenEDG Python Institute

23 Jun 2021

Date

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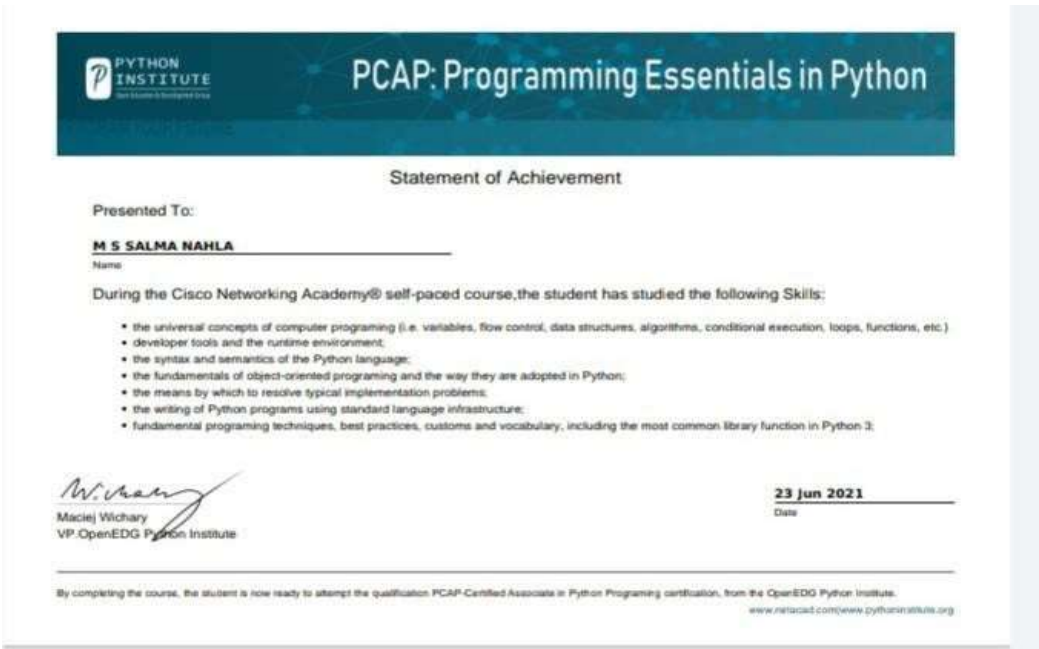
Fig 33-Coursera certificate of programming essentials in python



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PCAP: Programming Essentials in Python

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Presented To:

M S SALMA NAHLA

Name

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Fig 34-Coursera certificate of programming essentials in python