



PRABAL GHOSH

- Phone number:** (+33) 780860076 **Email address:** prabal5ghosh@gmail.com
- Github:** <https://github.com/prabal5ghosh>
- LinkedIn:** <https://www.linkedin.com/in/prabal-ghosh-25a196158/>
- Home:** Vill-Durlavganj, Dist-Paschim Medinipur, West Bengal, 721253 (India)
- Other:** CIV, 190 Rue Frédéric Mistral, , 06560 Valbonne (France)

ABOUT ME

Experienced electronics and computer engineer with a strong inclination toward research and development in statistical machine learning and deep learning.

WORK EXPERIENCE

AI Intern

INRIA [02/05/2024 – 30/08/2024]

City: Sophia Antipolis | Country: France

Concept Detection in Deep Neural Networks

Graduate Engineer

Freshworks [18/07/2022 – 24/03/2023]

City: Chennai | Country: India

Python Django and Ruby on Rails backend development

Software Development Intern

Freshworks [04/04/2022 – 30/06/2022]

City: Chennai | Country: India

Ruby on rails full-stack development

EDUCATION AND TRAINING

M2 DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

CÔTE D'AZUR UNIVERSITY [09/09/2024 – Current]

M1 DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

CÔTE D'AZUR UNIVERSITY [11/09/2023 – 30/08/2024]

City: Nice | Country: France | Final grade: 12.949/20

INDEX Scholarship

Master of Computer Applications

Amrita vishwa vidyapeetham, Amritapuri Campus [23/09/2020 – 20/08/2022]

Country: India | Final grade: 9.5/10 | Thesis: Computation of Mathematical modeling of Parkinson's Disease

Bachelor of Technology in Electronics and Communication Engineering

RCC Institute of Information Technology, Maulana Abul Kalam Azad University of Technology [01/08/2014 – 31/10/2018]

Country: India | Final grade: 7.86/10

Higher Secondary Examination

Nayabasat Parbatimoyee Siksha Niketan [06/2013 – 05/2014]

Field(s) of study: Science | Final grade: 78.40%

Mathematics=86% , Physics= 90% , Chemistry= 90%

Secondary Examination

Nayabasat Parbati Moyee Siksha Niketan [03/2011 – 05/2012]

Country: India | Final grade: 87.14%

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s): Hindi | English

PUBLICATIONS

[2023]

A study on modeling the dopaminergic pathways of Parkinson's disease

Ghosh Prabal; Sasidharan Rajeswari Sreeja; P. S. Rohit; Nair Manjusha [Scopus Indexed]

PROJECTS

Food ordering app using ruby on rails

Link: <https://github.com/prabal5ghosh/food-ordering-app-using-ruby-on-rails>

Pet Finder using Machine Learning and Deep Learning

Link: <https://github.com/prabal5ghosh/Pet-Finder-using-Machine-Learning-and-Deep-Learning>

Semantic Modeling for a Recipe Box Company

Link: <https://github.com/prabal5ghosh/Semantic-Modeling-for-a-Recipe-Box-Company/tree/main>

IoT and cloud based security monitor using Aurdino MKR 1010 Guide- Binu P.K, Amrita Vishwa Vidyapeetham

Linked data extraction from Springer using OWL and SPARQL Guide- Dr. S. Subbulakshmi

Link: <https://github.com/prabal5ghosh/Semantic-Web-Project-using-Protege-sparql-and-curl>

Transfer Learning for NLP with TensorFlow Hub

Link: <https://www.coursera.org/account/accomplishments/verify/RUGTVCRFACU4>

Quadcopter with advanced monitoring Guide: Dr. Tiya De Malakar and Dr. Abhishek Basu, RCCIIT,Kolkata.

Link: http://rcciit.org/students_projects/projects/ece/2018/GR17.pdf

TRAINING AND CERTIFICATION

Machine Learning: Regression by the University of Washington

Link: https://www.coursera.org/account/accomplishments/verify/UUSHZ672X9PH?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course

Machine Learning: Classification by University of Washington

Link: https://www.coursera.org/account/accomplishments/verify/EBTQQRECPSR8?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course

Mathematics for Machine Learning: Multivariate Calculus by Imperial College London

Link: https://www.coursera.org/account/accomplishments/verify/FSDZX3YNWBCV?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course

Neural Networks and Deep Learning

Link: https://www.coursera.org/account/accomplishments/verify/VWT6WGRM7QJU?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course

RECOMMENDATIONS

Name: **Dr. Manjusha Nair M.** | Assistant Professor (Senior Grade)

Organization: Amrita Vishwa Vidyapeetham, Amritapuri, Kerala

Department: School of Computing

Email: manjushanair@am.amrita.edu | Phone number: (+91) 9447745519

Name: **Dr. S. Subbulakshmi** | Assistant Professor (Senior Grade)

Organization: Amrita Vishwa Vidyapeetham, Amritapuri, Kerala

Department: School of Computing

Email: subbulakshmis@am.amrita.edu | Phone number: (+91) 9746563654



Valbonne, France, 12/10/2024

PRABAL GHOSH

RELEVE DE NOTES ET RESULTATS

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Session 1**GHOSH Prabal**

N° Etudiant : 22306730

INE : 223378063DG

Né le : 7 septembre 1995

à : MEDINIPUR, WEST BENGAL (INDE)

inscrit en **MSc 1 Data Science & Artificial Intelligence - Year****Notes et résultats**

	Note/Barème	Pts jury	Résultat	Session	Mention	Crédits
YEAR - MSc 1 DATA SCIENCE	12.949 /20		Admis	S1 2023/24	AB	60
SEMESTER 1 - MSc 1 DATA SCIENCE	13.517 /20		Admis	S1 2023/24		30
Refresher	12.375 /20		Acquis	S1 2023/24		4
Statistical inference	10 /20		Acquis	S1 2023/24		6
Machine Learning	15.5 /20		Acquis	S1 2023/24		9
Programming Language	13.833 /20		Acquis	S1 2023/24		9
Workshops and vulgarization	16 /20		Acquis	S1 2023/24		2
SEMESTER 2 - MSc 1 DATA SCIENCE	12.381 /20		Admis	S1 2023/24		30
Statistical learning	12.253 /20		Acquis	S1 2023/24		9
Machine Learning	12.017 /20		Acquis	S1 2023/24		9
Personal training	12.75 /20		Acquis	S1 2023/24		12

Résultat global

Résultat d'admission :	12.949 /20	Admis	Assez Bien	60
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Fait à Nice, le 9 août 2024

Le Directeur des Études et de la Formation

Pour le président d'Université Côte d'Azur

Signature délégué



Le Directeur des Études et de la Formation

Pascal CREMOUX

RELEVE DE NOTES ET RESULTATS

Page : 1 / 1

Session 1

GHOSH Prabal

N° Etudiant : 22306730

INE : 223378063DG

Né le : 7 septembre 1995

à : MEDINIPUR, WEST BENGAL (INDE)

inscrit en **MSc 1 Data Science & Artificial Intelligence - Sem 1**

Notes et résultats

	Note/Barème	Pts jury	Résultat	Session	Crédits
SEMESTER 1 - MSc 1 DATA SCIENCE	13.517 /20		Admis	S1 2023/24	30
Refresher	12.375 /20		Acquis	S1 2023/24	4
Basic Probability	15 /20			S1 2023/24	
Basic Algebra for Data Analysis	10 /20			S1 2023/24	
Basic Algorithmics	8.5 /20			S1 2023/24	
Methods and tools for technical and scientific writing	16 /20			S1 2023/24	
Statistical inference	10 /20		Acquis	S1 2023/24	6
Machine Learning	15.5 /20		Acquis	S1 2023/24	9
A general introduction to Machine Learning	15 /20			S1 2023/24	
Introduction to Deep Learning	15.5 /20			S1 2023/24	
Ethical aspects of data	16 /20			S1 2023/24	
Programming Language	13.833 /20		Acquis	S1 2023/24	9
Distributed Big Data Systems	14 /20			S1 2023/24	
R programming for Data Science	15.5 /20			S1 2023/24	
Python Programming for Data Science	12 /20			S1 2023/24	
Workshops and vulgarization	16 /20		Acquis	S1 2023/24	2

Résultat global

Résultat d'admission :	13.517 /20	Admis	30
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Fait à Nice, le 22 mars 2024
Le Directeur des Études et de la Formation



Le Directeur des Études et de la Formation

Pascal CREMOUX

RELEVE DE NOTES ET RESULTATS

Page : 1 / 1

Session 1**GHOSH Prabal**

N° Etudiant : 22306730

INE : 223378063DG

Né le : 7 septembre 1995

à : MEDINIPUR, WEST BENGAL (INDE)

inscrit en **MSc 1 Data Science & Artificial Intelligence - Sem 2****Notes et résultats**

	Note/Barème	Pts jury	Résultat	Session	Crédits
SEMESTER 2 - MSc 1 DATA SCIENCE	12.381 /20		Admis	S1 2023/24	30
Statistical learning	12.253 /20		Acquis	S1 2023/24	9
Introduction to Information Theory	12.7 /20			S1 2023/24	
Model selection and resampling methods	11 /20			S1 2023/24	
Optimization for Data Science	13.06 /20			S1 2023/24	
Machine Learning	12.017 /20		Acquis	S1 2023/24	9
Web of Data	12.5 /20			S1 2023/24	
More on Learning Algorithms	11.55 /20			S1 2023/24	
More on Deep learning algorithms	12 /20			S1 2023/24	
Personal training	12.75 /20		Acquis	S1 2023/24	12
Case Studies	15 /20			S1 2023/24	
Internship	12 /20			S1 2023/24	

Résultat global

Résultat d'admission :	12.381 /20	Admis	30
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Fait à Nice, le 9 août 2024
Le Directeur des Études et de la Formation

Pour le président d'Université Côte d'Azur

Signature délégué

Le Directeur des Études et de la Formation

Pascal CREMOUX



AMRITA

VISHWA VIDYAPEETHAM

DEEMED TO BE UNIVERSITY
Amritanagar, Coimbatore - 641 112, India.

Sl. No. 21 06481

Transcript

AMRITA SCHOOL OF COMPUTING, AMRITAPURI

MASTER OF COMPUTER APPLICATIONS

Name: Mr. Prabal Ghosh

2020-2022

Roll No: AM.SC.P2CSC20040

Code	Subject	Cr.	Gr.	Month & Year of Passing	Code	Subject	Cr.	Gr.	Month & Year of Passing					
2020-2021 Odd Semester														
20CSA501	Object Oriented Programming Using Java	4.0	O	Dec, 2020	20CSA601	Machine Learning	4.0	O	Dec, 2021					
20CSA502	Advanced Operating Systems	3.0	O	Dec, 2020	20CSA602	Software Engineering and Design Patterns	3.0	A+	Dec, 2021					
20CSA503	Advanced Computer Networks	4.0	O	Dec, 2020	20CSA539	Deep Learning	3.0	O	Dec, 2021					
20CSA504	Python Programming	3.0	O	Dec, 2020	20CSA547	Semantic Web	3.0	O	Dec, 2021					
20CSA505	Advanced DBMS	4.0	O	Dec, 2020	20CSA534	Compiler Design	3.0	O	Dec, 2021					
20MAT504	Mathematical Foundations for Computer Applications I	4.0	A	Dec, 2020	20CSA681	IoT and Cloud Lab	1.0	B+	Dec, 2021					
18CUL501	Cultural Education	0.0	P	Dec, 2020	20CSA685	Natural Language Processing Lab	1.0	A+	Dec, 2021					
2020-2021 Even Semester														
20CSA511	Data structures and Algorithms	4.0	A+	Jul, 2021	20CSA699	Dissertation Phase II	12.0	A+	Jul, 2022					
20CSA512	Advanced Web Technologies and Mean Stack	4.0	B	Jul, 2021	2021-2022 Odd Semester									
20CSA513	Data Mining and Applications	4.0	O	Jul, 2021	2021-2022 Even Semester									
20CSA514	Research Methodologies and Case Study	2.0	A	Jul, 2021	20CSA698									
20MAT514	Mathematical Foundations for Computer Applications II	3.0	A+	Jul, 2021	Dissertation Phase I									
20CSA541	Natural Language Processing	3.0	A+	Jul, 2021	4.0 A+ Dec, 2021									
20CSA557	Connected Internet of Things Devices	3.0	A	Jul, 2021										
20CSA581	Data Structures and Algorithms Lab	1.0	B+	Jul, 2021										



Cumulative Credits	Cumulative Credits Earned	Cumulative Grade Points	CGPA
80.0	80.0	760.0	9.50

Medium of Instruction is English for all subjects

Notionally, multiplying the CGPA/SGPA, earned by the candidate by 10, may arrive at percentage of marks.

Issued on: 26/07/2022

Dy. Controller of Examinations

Controller of Examinations



AMRITA
VISHWA VIDYAPEETHAM
અમૃતાવિદ્યાપીઠમ् — DEEMED TO BE UNIVERSITY —

J 00085

The Board of Management of the University hereby confers the degree of
Master of Computer Applications

under the Faculty of Engineering

on

Prabal Ghosh

*in recognition of the successful completion of all the requirements for the award of
the said Degree with First Class with Distinction during July 2022.*

Given on this day, the 20th of August 2022, under the seal of the University.

Sri Mata Amritanandamayi Devi
Chancellor

(Signature)

Dr.P.Venkata Rangan
Vice Chancellor

Swami Amritaswarupananda Puri
President

(Signature)

K. Sankaran
Registrar

(Signature)



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)

Main Campus : Haringhata, Nadia, Pin-741 249, W.B, INDIA

Kolkata Campus : BF-142, Salt Lake, Sector-I, Kolkata-700 064, W.B, INDIA

Web Site : www.makautwb.ac.in

Doc. No-228798

TRANSCRIPT AS ON 08-02-2022

Name	PRABAL GHOSH				Roll No	11700314057							
Program	BACHELOR OF TECHNOLOGY (ELECTRONICS & COMMUNICATION ENGINEERING)				Reg No	141170110239 OF 2014-2015							
Subject Code	Subjects / Courses Offered	Letter Grade	Points	Credit	Credit Points	Subject Code	Subjects / Courses Offered	Letter Grade	Points				
HU101	ENGLISH LANGUAGE & TECHNICAL COMMUNICATION	B	7	2.0	14.0	CS201	BASIC COMPUTATION & PRINCIPLES OF COMPUTER PROGRAMMING	C	6	4.0	24.0		
CH101	CHEMISTRY-I	A	8	4.0	32.0	PH201	PHYSICS-I	B	7	4.0	28.0		
M101	MATHEMATICS-I	C	6	4.0	24.0	M201	MATHEMATICS-II	C	6	4.0	24.0		
ME101	ENGINEERING MECHANICS	C	6	4.0	24.0	ME201	ENGINEERING THERMODYNAMICS & FLUID MECHANICS	B	7	4.0	28.0		
ES101	BASIC ELECTRICAL & ELECTRONIC ENGINEERING-I	D	5	4.0	20.0	ES201	BASIC ELECTRICAL & ELECTRONIC ENGINEERING-II	B	7	4.0	28.0		
CH191	CHEMISTRY-I	E	9	2.0	18.0	CS291	BASIC COMPUTATION & PRINCIPLES OF COMPUTER PROGRAMMING LAB	O	10	2.0	20.0		
ES191	BASIC ELECTRICAL & ELECTRONIC ENGINEERING-I	B	7	2.0	14.0	PH291	PHYSICS-I	E	9	2.0	18.0		
ME191	ENGG. DRAWING & COMPUTER GRAPHICS	A	8	3.0	24.0	ES291	BASIC ELECTRICAL & ELECTRONIC ENGINEERING-II LAB	A	8	2.0	16.0		
HU181	LANGUAGE LABORATORY	E	9	1.0	9.0	ME292	WORKSHOP PRACTICE	E	9	3.0	27.0		
XC181	EXTRA CURRICULAR ACTIVITIES (NSS/NCC/NSO ETC)	O	10	1.0	10.0	Total					29.0	213.0	
						PASSED 2015 SGPA1: 7.00	PASSED 2015 SGPA2: 7.34 YGPA1: 7.18						
MCS301	NUMERICAL METHODS	B	7	2.0	14.0	HU401	VALUES & ETHICS IN PROFESSION	B	7	3.0	21.0		
M302	MATHEMATICS-III	C	6	4.0	24.0	PH401	PHYSICS II	B	7	4.0	28.0		
EC301	CIRCUIT THEORY & NETWORKS	B	7	4.0	28.0	CH401	BASIC ENVIRONMENTAL ENGINEERING & ELEMENTARY BIOLOGY	C	6	3.0	18.0		
EC302	SOLID STATE DEVICE	B	7	3.0	21.0	EC401	EM THEORY & TRANSMISSION LINES	E	9	4.0	36.0		
EC303	SIGNALS & SYSTEMS	E	9	3.0	27.0	EC402	DIGITAL ELECTRONIC & INTEGRATED CIRCUITS	A	8	4.0	32.0		
EC304	ANALOG ELECTRONIC CIRCUITS	E	9	4.0	36.0	HU481	TECHNICAL REPORT WRITING & LANGUAGE LAB PRACTICE	B	7	2.0	14.0		
MCS391	NUMERICAL LAB.	O	10	1.0	10.0	PH491	PHYSICS II LAB	A	8	2.0	16.0		
EC391	CIRCUIT THEORY & NETWORK LAB.	A	8	2.0	16.0	EC491	EM THEORY & TX LINES LAB	E	9	2.0	18.0		
EC392	SOLID STATE DEVICES	E	9	2.0	18.0	EC492	DIGITAL ELECTRONIC & INTEGRATED CIRCUITS LAB	E	9	2.0	18.0		
EC393	SIGNAL SYSTEM LAB.	O	10	2.0	20.0	Total						26.0	201.0
EC394	ANALOG ELECTRONICS CIRCUITS LAB.	O	10	2.0	20.0	PASSED 2016 SGPA4: 7.73 YGPA2: 7.91							
						HU401	VALUES & ETHICS IN PROFESSION	B	7	3.0	21.0		
PASSED 2016 SGPA3: 8.07						PH401	PHYSICS II	B	7	4.0	28.0		
HU501	ECONOMICS FOR ENGINEERS	A	8	3.0	24.0	CH401	BASIC ENVIRONMENTAL ENGINEERING & ELEMENTARY BIOLOGY	C	6	3.0	18.0		
EC501	ANALOG COMMUNICATION	C	6	4.0	24.0	EC401	EM THEORY & TRANSMISSION LINES	E	9	4.0	36.0		
EC502	MICROPROCESSORS & MICROCONTROLLERS	A	8	4.0	32.0	EC402	DIGITAL ELECTRONIC & INTEGRATED CIRCUITS	A	8	4.0	32.0		
EC503	CONTROL SYSTEM	C	6	3.0	18.0	HU481	TECHNICAL REPORT WRITING & LANGUAGE LAB PRACTICE	B	7	2.0	14.0		
EC504B	DATA STRUCTURE & C	B	7	4.0	28.0	PH491	PHYSICS II LAB	A	8	2.0	16.0		
EC591	ANALOG COMMUNICATION	E	9	2.0	18.0	EC491	EM THEORY & TX LINES LAB	E	9	2.0	18.0		
EC592	MICROPROCESSORS & MICROCONTROLLERS	E	9	2.0	18.0	EC492	DIGITAL ELECTRONIC & INTEGRATED CIRCUITS LAB	E	9	2.0	18.0		
EC593	CONTROL SYSTEM	O	10	2.0	20.0	Total						26.0	201.0
EC594B	DATA STRUCTURE & C	O	10	2.0	20.0	PASSED 2017 SGPA5: 7.77							
						HU601	PRINCIPLES OF MANAGEMENT	B	7	2.0	14.0		
PASSED 2017 SGPA3: 8.07						EC601	DIGITAL COMMUNICATIONS	A	8	3.0	24.0		
HU501	ECONOMICS FOR ENGINEERS	A	8	3.0	24.0	EC602	DIGITAL SIGNAL PROCESSING	C	6	3.0	18.0		
EC501	ANALOG COMMUNICATION	C	6	4.0	24.0	EC603	TELECOMMUNICATION SYSTEM	B	7	3.0	21.0		
EC502	MICROPROCESSORS & MICROCONTROLLERS	A	8	4.0	32.0	EC604B	INFORMATION THEORY & CODING	A	8	3.0	24.0		
EC503	CONTROL SYSTEM	C	6	3.0	18.0	EC605A	OBJECT ORIENTED PROGRAMMING	A	8	3.0	24.0		
EC504B	DATA STRUCTURE & C	B	7	4.0	28.0	EC691	DIGITAL COMMUNICATIONS	O	10	2.0	20.0		
EC591	ANALOG COMMUNICATION	E	9	2.0	18.0	EC692	DIGITAL SIGNAL PROCESSING	B	7	2.0	14.0		
EC592	MICROPROCESSORS & MICROCONTROLLERS	E	9	2.0	18.0	EC695A	OBJECT ORIENTED PROGRAMMING	O	10	2.0	20.0		
EC593	CONTROL SYSTEM	O	10	2.0	20.0	EC681	SEMINAR	A	8	2.0	16.0		
EC594B	DATA STRUCTURE & C	O	10	2.0	20.0	Total						25.0	195.0
						PASSED 2017 SGPA6: 7.80 YGPA3: 7.78							
PASSED 2017 SGPA5: 7.77						HU601	PRINCIPLES OF MANAGEMENT	B	7	2.0	14.0		
TOTAL CREDITS FOR THIS PROGRAM 210.0						EC601	DIGITAL COMMUNICATIONS	A	8	3.0	24.0		
DEGREE AWARDED ON 31ST OCTOBER 2018						EC602	DIGITAL SIGNAL PROCESSING	C	6	3.0	18.0		
COLLEGE/INSTITUTION: RCC INSTITUTE OF INFORMATION TECHNOLOGY						EC603	TELECOMMUNICATION SYSTEM	B	7	3.0	21.0		

Checked by

Controller of Examinations



Assistant Controller Of Examinations
Maulana Abul Kalam Azad University
Of Technology, West Bengal
(Formerly Known as West Bengal University Of Technology)
Haringhata, Nadia - 741249

In our B. Tech, B.E. Under Graduate Degree Courses and Post Graduate Degree Courses, the grade point average is awarded in each semester, in each year and in final Degree.

1. The table below shows the letter Grades and their corresponding classification and percentage points :

Classification	Letter Grade	Score on 100 Percentage Points	Points
Outstanding	O	100 to 90	10
Excellent	E	89 to 80	9
Very Good	A	79 to 70	8
Good	B	69 to 60	7
Fair	C	59 to 50	6
Below Average	D	49 to 40	5
Failed	F	Below 40	2
Incomplete	I	—	2

2. The method of calculation of Grade Point Average is as follows :

$$\begin{array}{lcl} \textbf{SGPA} & = & \frac{\text{Credit Index}}{\sum \text{Credits}} \\ (\text{Semester Grade Point Average}) & & \\ \\ \textbf{YGPA} & = & \frac{\text{Credit Index Odd Semester} + \text{Credit Index Even Semester}}{\sum \text{Credits Odd Semester} + \sum \text{Credits Even Semester}} \\ (\text{Yearly Grade Point Average}) & & \end{array}$$

3. For final Degree Grade Point Average, the calculation is as under

$$\begin{array}{lcl} \textbf{DGPA} & = & \frac{\text{YGPA1} + \text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{5} \\ (\text{Degree Grade Point Average}) & & \\ \\ \textbf{DGPA} & = & \frac{\text{YGPA2} + 1.5 * \text{YGPA3} + 1.5 * \text{YGPA4}}{4} \\ (\text{Degree Grade Point Average}) & & \\ \\ \textbf{DGPA} & = & \frac{\text{YGPA1} + \text{YGPA2} + \text{YGPA3}}{3} \\ (\text{Degree Grade Point Average}) & & \\ \\ \textbf{DGPA} & = & \frac{\text{YGPA1} + \text{YGPA2}}{2} \\ (\text{Degree Grade Point Average}) & & \\ \\ \textbf{DGPA} & = & \text{YGPA1} \\ (\text{Degree Grade Point Average}) & & \end{array}$$

(4 Year Degree Course Pass Out General Students)

(For Pass out Lateral Entry Students)

(3 Year Degree Course Pass Out Students)

(2 Year Degree Course Pass Out Students)

(1 Year Degree Course Pass Out Students)

4. No Class / Percentage is awarded :

X	:	Ineligible for Promotion
XP	:	Eligible for Promotion with Backlogs
P	:	Passed and Promoted

11700314057-1656

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL

1816457



In Pursuit Of Knowledge And Excellence

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly known as West Bengal University of Technology)

Certified that

PRABAL GHOSH

bearing Regn. No.: 141170110239 of 2014-2015

having fulfilled all the requirements has been admitted to

the Degree of
Bachelor of Technology

in

Electronics & Communication Engineering

of this University and that the degree was conferred on him / her
with all the rights and privileges thereto. In witness whereof the

*Signature of the Vice-Chancellor of Maulana Abul Kalam
Azad University of Technology, West Bengal is hereunto affixed.*

DGPA : 7.86

(Degree Grade Point Average)

Year of Passing : 2018



Saital Maitra

Vice-Chancellor

Dated : 2nd November 2018

CERTIFICAT DE SCOLARITÉ
2024/2025

Le Directeur des Études et de la Formation certifie que

Monsieur PRABAL GHOSH

Id. National : 223378063dg

N° étudiant : 22306730

Né(e) le 07/09/1995

à MEDINIPUR, WEST BENGAL (INDE)

est régulièrement inscrit(e) pour l'année universitaire 2024/2025

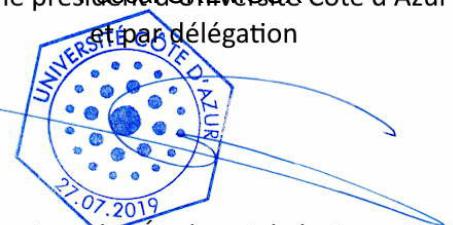
Diplôme : MSc 2 Data Sciences & Artificial Intelligence

Année : MSc 2 DATA SCIENCES & ARTIFICIAL INTELLIGENCE

Composante : UNIVERSITE COTE D'AZUR

Fait à Nice, le 14/10/2024

Pascal OREMOUX
Pour le président de l'université Côte d'Azur
et par délégation



Le Directeur des Études et de la Formation

Dear Professors,

I am Prabal Ghosh, and I am deeply committed to advancing research in statistical machine learning, deep learning, and their applications, particularly in the medical domain. I am confident that the EFELIA-3IA Côte d'Azur Excellence Scholarship will enable me to further pursue my academic and research aspirations.

Currently, I am enrolled in the MSc (M2) program in Data Science and Artificial Intelligence at Université Côte d'Azur, specializing in the Medical Track. Last year, during my MSc (M1), I was honored to receive the IDEX scholarship, which greatly contributed to my academic progress. I hold a Bachelor of Technology in Electronics & Communication Engineering from Maulana Abul Kalam Azad University of Technology, India, and a Master of Computer Applications from Amrita Vishwa Vidyapeetham, India. Throughout my academic career, I have focused on key areas such as machine learning, deep learning, and natural language processing, which have shaped my passion for research and innovation in artificial intelligence.

My professional experience further complements my academic background. From April 2022 to March 2023, I worked as a backend web developer at Freshworks, Chennai, India. During this period, I gained invaluable industry experience, particularly in Python Django and Ruby on Rails, where I was responsible for developing scalable web applications that served up to one million users. This experience enhanced my programming skills and taught me how to work efficiently in a high-impact environment.

Moreover, I have been engaged in significant research and development activities that align with the goals of the EFELIA-3IA program. At Prismalia in Sophia Antipolis, I contributed to the development of a chatbot powered by Large Language Models (LLMs) to help companies efficiently retrieve critical information from their documentation. This project, which is integrated into my master's coursework, has allowed me to apply advanced machine learning techniques to real-world problems, enriching my practical expertise in the field.

Additionally, I had the opportunity to complete an internship at INRIA, Sophia Antipolis, from May to August 2024, focusing on Explainable Artificial Intelligence (XAI). My research specifically targeted the elucidation of Convolutional Neural Networks (CNNs), which are pivotal in many AI applications today. This experience reinforced my commitment to exploring the interpretability and transparency of AI models.

My academic work reflects my dedication to research excellence. I have published a Scopus-indexed paper titled "*Mathematical Modeling of Parkinson's Disease Using an Advanced Learning Approach*". These projects highlight my focus on applying AI to medical challenges, an area I intend to continue exploring throughout my MSc and beyond.

Looking ahead, I am deeply committed to pursuing a Ph.D. in machine learning, with the ultimate goal of contributing to academia and advancing research that benefits society. My long-term vision is to apply my knowledge to solve complex problems in the medical domain, where AI has the potential to revolutionize diagnostics and treatment. I am confident that the EFELIA-3IA Côte d'Azur Excellence Scholarship will help me cover my expenses during my studies and reduce the burden of tuition fees, enabling me to focus fully on my studies and research.

In conclusion, I believe that my academic achievements, professional experience, and research background make me a strong candidate for the EFELIA-3IA Côte d'Azur Excellence Scholarship.

Thank you for considering my application. I look forward to the opportunity to contribute to the 3IA Côte d'Azur program and to achieving my academic and research goals.

Sincerely,

Prabal Ghosh

M2 Data Science and AI student
Université Côte d'Azur

Dear Members of the Selection Committee,

I have attached the income tax returns of my father. In the 2024-2025 financial year, his income was 423,510 INR, which is equivalent to 4,616.26 EUR. In 2023-2024, his income was 489,860 INR, equivalent to 5,339.47 EUR, and in 2022-2023, his income was 431,040 INR, equivalent to 4,698.34 EUR. In 2021-2022, his income was 443,970 INR, equivalent to 4,839.27 EUR.

Last year, during my MSc (M1), I was honoured to receive the IDEX scholarship, which helped cover my living expenses and tuition fees. With my family's financial resources, being awarded the EFELIA-3IA Côte d'Azur Excellence Scholarship would relieve my family and me of the financial burden, allowing me to focus entirely on my studies.

Sincerely,
Prabal Ghosh

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1(SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
 (Please see Rule 12 of the Income-tax Rules, 1962)

Assessment Year
2024-25

PAN	AD JPG9584D		
Name	SAMARESH GHOSH		
Address	C k road, MIDNAPUR, Satbankura, WEST MIDNAPORE, Satbankura S.O, 32-West Bengal, 91-INDIA, 721253		
Status	Individual	Form Number	ITR-1
Filed u/s	139(1)-On or before due date	e-Filing Acknowledgement Number	664078890110724

Taxable Income and Tax Details	Current Year business loss, if any	1	0
	Total Income	2	4,23,510
	Book Profit under MAT, where applicable	3	0
	Adjusted Total Income under AMT, where applicable	4	0
	Net tax payable	5	0
	Interest and Fee Payable	6	0
	Total tax, interest and Fee payable	7	0
	Taxes Paid	8	7,607
	(+) Tax Payable /(-) Refundable (7-8)	9	(-) 7,610
	Accreted Income as per section 115TD	10	0
	Additional Tax payable u/s 115TD	11	0
	Interest payable u/s 115TE	12	0
	Additional Tax and interest payable	13	0
	Tax and interest paid	14	0
	(+) Tax Payable /(-) Refundable (13-14)	15	0

Income Tax Return electronically transmitted on 11-Jul-2024 19:47:28 from IP address 103.165.115.99
 and verified by SAMARESH GHOSH having PAN AD JPG9584D on 11-Jul-2024
 using paper ITR-Verification Form /Electronic Verification Code TUAZD547BI generated through Aadhaar
OTP mode

System Generated

Barcode/QR Code



AD JPG9584D016640788901107241ae71424e3397ca838d77795da6076f521afc40c

DO NOT SEND THIS ACKNOWLEDGEMENT TO CPC, BENGALURU

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income In Form ITR-1(SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
 (Please see Rule 12 of the Income-tax Rules, 1962)

Assessment Year
2023-24

PAN.	AD JPG9584D		
Name	SAMARESH GHOSH		
Address	C k road, MIDNAPUR, Satbankura, WEST MIDNAPORE, Satbankura S.O, 32-West Bengal, 91-INDIA, 721253		
Status	Individual	Form Number	ITR-1
Filed u/s	139(1)-On or before due date	e-Filing Acknowledgement Number	668769650250723
Taxable Income and Tax Details	Current Year business loss, if any	1	0
	Total Income	2	4,89,860
	Book Profit under MAT, where applicable	3	0
	Adjusted Total Income under AMT, where applicable	4	0
	Net tax payable	5	0
	Interest and Fee Payable	6	0
	Total tax, interest and Fee payable	7	0
	Taxes Paid	8	0
	(+) Tax Payable /(-) Refundable (7-8)	9	0
	Accreted Income as per section 115TD	10	0
	Additional Tax payable u/s 115TD	11	0
	Interest payable u/s 115TE	12	0
	Additional Tax and interest payable	13	0
	Tax and interest paid	14	0
	(+) Tax Payable /(-) Refundable (13-14)	15	0

Income Tax Return submitted electronically on 25-Jul-2023 10:26:57 from IP address 152.58.163.121
 and verified by SAMARESH GHOSH having PAN AD JPG9584D on 25-Jul-2023
 using paper ITR-Verification Form /Electronic Verification Code 7UE8FUN2AI generated through Aadhaar OTP mode

System Generated



Barcode/QR Code

AD JPG9584D01668769650250723609e2dc37e53c7a5a822c30de8ede6765d6d57b9

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Acknowledgement Number:102528480250722

Date of filing:25-07-2022

INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1 (SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7 filed and verified]
(Please see Rule 12 of the Income-tax Rules, 1962)

Assessment Year
2022-23

PAN	ADJPG9584D		
Name	SAMARESH GHOSH		
Address	C k road , MIDNAPUR , Satbankura , WEST MIDNAPORE , Satbankura S.O , 32-West Bengal , 91-India , 721253		
Status	Individual	Form Number	ITR-1
Filed u/s	139(1) Return filed on or before due date	e-Filing Acknowledgement Number	102528480250722
Taxable Income & Tax details Accredited Income & Tax Detail	Current Year business loss, if any	1	0
	Total Income		4,31,040
	Book Profit under MAT, where applicable	2	0
	Adjusted Total Income under AMT, where applicable	3	0
	Net tax payable	4	0
	Interest and Fee Payable	5	0
	Total tax, interest and Fee payable	6	0
	Taxes Paid	7	0
	(+) Tax Payable /(-) Refundable (6-7)	8	0
	Accreted Income as per section 115TD	9	0
	Additional Tax payable u/s 115TD	10	0
	Interest payable u/s 115TE	11	0
	Additional Tax and interest payable	12	0
	Tax and interest paid	13	0
(+) Tax Payable /(-) Refundable (12-13)	14	0	

Income Tax Return submitted electronically on 25-07-2022 22:06:28 from IP address 47.11.192.220 and verified by SAMARESH GHOSH having PAN ADJPG9584D on 25-07-2022 22:12:50 using paper ITR-Verification Form /Electronic Verification Code XUETSYMNHY generated through Bank Account Prevalidation mode

System Generated

Barcode/QR Code



ADJPG9584D01102528480250722C694BDFCD705991BC226A2BC8168E5639D03FA04

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INDIAN INCOME TAX RETURN ACKNOWLEDGEMENT

[Where the data of the Return of Income in Form ITR-1 (SAHAJ), ITR-2, ITR-3, ITR-4(SUGAM), ITR-5, ITR-6, ITR-7
filed and verified]
(Please see Rule 12 of the Income-tax Rules, 1962)

Assessment Year

2021-22

PAN	ADJPG9584D		
Name	SAMARESH GHOSH		
Address	C k road , MIDNAPUR , Satbankura , WEST MIDNAPORE , Satbankura S.O . 721253		
Status	Individual	Form Number	ITR-1
Filed u/s	139(1) Return filed on or before due date	e-Filing Acknowledgement Number	786620440051121

Taxable Income and Tax details	Current Year business loss, if any	1	0
	Total Income	2	4,43,970
	Book Profit under MAT, where applicable	3	0
	Adjusted Total Income under AMT, where applicable	4	0
	Net tax payable	5	0
	Interest and Fee Payable	6	0
	Total tax, interest and Fee payable	7	1,646
	Taxes Paid	8	(-) 1,650
	(+) Tax Payable /(-)Refundable (6-7)	9	0
	Dividend Tax Payable	10	0
	Interest Payable	11	0
	Total Dividend tax and interest payable	12	0
	Taxes Paid	13	0
	(+) Tax Payable /(-)Refundable (11-12)	14	0
	Accreted Income as per section 115TD	15	0
	Additional Tax payable u/s 115TD	16	0
	Interest payable u/s 115TE	17	0
	Additional Tax and interest payable	18	0
	Tax and interest paid	19	0
	(+) Tax Payable /(-)Refundable (17-18)		

Income Tax Return submitted electronically on 05-11-2021 11:25:24 from IP address 10.1.219.21 and verified by SAMARESH GHOSH having PAN ADJPG9584D on 07-11-2021 10:54:38 using paper ITR-Verification Form /Electronic Verification Code CAUXQ33FEY generated through Digital mode

System Generated

Barcode/QR Code



ADJPG9584D01786620440051121AE685A368E3154B4C7BADBC852517FCBB64522D9

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