



Indian Institute of Technology Madras

TRANSCRIPT



Name: SAARTHAK SINGHAL Roll Number: 21F2001191

Program: BS in Data Science and Applications

Current Level: BS_DEGREE

Term	Course	Title	Credit	Category	Grade
MAY 2021	HS1001	English I	4	FL	S
MAY 2021	CS1001	Computational Thinking	4	FL	A
MAY 2021	MA1001	Mathematics for Data Science I	4	FL	B
SEP 2021	HS1002	English II	4	FL	A
SEP 2021	MA1003	Mathematics for Data Science II	4	FL	B
JAN 2022	CS1002	Programming in Python	4	FL	S
JAN 2022	MA1004	Statistics for Data Science II	4	FL	A
JAN 2023	CS2004	Machine Learning Foundations	4	DD	B
JAN 2023	MS2001	Business Data Management	4	DD	S
JAN 2023	SE2002	Tools in Data Science	3	DD	A
SEP 2023	CS2003	Modern Application Development I	4	DP	B
SEP 2023	CS2003P	Modern Application Development I - Project	2	DP	S
SEP 2023	CS2006	Modern Application Development II	4	DP	B
SEP 2023	CS2007	Machine Learning Techniques	4	DD	B
SEP 2023	CS2008	Machine Learning Practice	4	DD	A
JAN 2024	CS2001	Database Management Systems	4	DP	A
JAN 2024	CS2002	Programming, Data Structures and Algorithms using Python	4	DP	B
JAN 2024	CS2005	Programming Concepts using Java	4	DP	A
JAN 2024	CS2006P	Modern Application Development II - Project	2	DP	S
JAN 2024	SE2001	System Commands	3	DP	A
JAN 2024	MS2001P	Business Data Management - Project	2	DD	B
JAN 2024	CS2008P	Machine Learning Practice - Project	2	DD	A
MAY 2024	CS3003	AI: Search Methods for Problem Solving	4	BD	S



BS in Data Science and Applications

Grade			Remarks
Code	Points	Cut-off	
S	10	90	---
A	9	80	---
B	8	70	---
C	7	60	---
D	6	50	---
E	4	40	---
U	0	-	---
P	0	-	Pass
F	0	-	Fail
W	0	-	Not eligible for end term
I	0	-	Course incomplete

Grades 'S' to 'E' and 'P' indicate successful completion of the course.

The grade of course(s) under the Pass/Fail category are not included towards CGPA calculation.

$$\text{CGPA} = \frac{\sum_i (C_i \times GP)}{\sum_i C_i}$$

where C_i is the credit of the course

GP is the grade point for that course, and

\sum_i is the sum over all registered courses successfully cleared during all the terms.

The medium of instruction is English at this Institute



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MAY 2024	CS3004	Deep Learning	4	BD	A
SEP 2024	MA1002	Statistics for Data Science I	4	FL	S
SEP 2024	CS3001	Software Engineering	4	BP	S
SEP 2024	GN3001	Strategies for Professional Growth	4	HM	S
JAN 2025	MA5755	Data Analysis & Visualization in R/Python/SQL	2	BP	A
JAN 2025	MA6380	Stochastic Methods in Industry	3	HM	B
MAY 2025	MS2002	Business Analytics	4	DD	A
MAY 2025	CS3002	Software Testing	4	BP	A
MAY 2025	CS5001	Large Language Models	4	BD	S
MAY 2025	MS4023	Game Theory and Strategy	4	BD	A
Φ	NPTEL	Soft Skill Development	2	HM	P
Φ	NPTEL	Data Mining	2	BD	P
Φ	NPTEL	Cloud computing	3	BP	P
Φ	NPTEL	Ethics in Engineering Practice	2	HM	P



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Cumulative Grade Point Average (CGPA) Summary

Category	Foundation Level (FL)	Diploma - Programming (DP)	Diploma - Data Science (DD)	Degree - Programming (BP)	Degree - Data Science (BD)	Humanities & Management (HM)	Science and Engineering (SE)	Total
Min. Required Credits	32	27	27	16	16	4	0	142
Earned Credits	32	27	27	10	16	7	0	119
Transferred Credits Φ	0	0	0	2	2	4	0	8
CGPA	9.12	8.70	8.78	9.40	9.50	9.14	0	9.03

Φ Transferred Credits are not considered for CGPA calculation. Transferred Credits + Earned Credits should meet the total credit requirement



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