

# National University of Singapore

## Unofficial Transcript

NAME:	KALE APRUP VINAY		STUDENT NO.:	A0265847M	DATE OF BIRTH:	12/04/2004	DATE ISSUED:	16/09/2025
PROGRAMME:	BACHELOR OF COMPUTING (COMPUTER SCIENCE)	COURSE		GRADE		UNITS		
PROGRAMME STATUS:	ACTIVE IN PROGRAMME	MA2108 QF2104	MATHEMATICAL ANALYSIS I FUNDAMENTALS OF QUANTITATIVE FINANCE	A- B+	4.00 4.00			
<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 4.73								
COURSE	GRADE	UNITS						
ACADEMIC YEAR 2022/2023 SEMESTER 1			ACADEMIC YEAR 2023/2024 SEMESTER 2					
CS1101S	PROGRAMMING METHODOLOGY	A+	4.00	CS2109S	INTRODUCTION TO AI AND MACHINE LEARNING	A-	4.00	
CS1231S	DISCRETE STRUCTURES	A+	4.00	CS3230	DESIGN AND ANALYSIS OF ALGORITHMS	A	4.00	
IS1108	DIGITAL ETHICS AND DATA PRIVACY	S	4.00	MA2104	MULTIVARIABLE CALCULUS	A	4.00	
MA1521	CALCULUS FOR COMPUTING	A+	4.00	QF2103	COMPUTING FOR QUANTITATIVE FINANCE	A+	4.00	
MA2001	LINEAR ALGEBRA I	S	4.00	QF3103	ADVANCED MATHEMATICS IN QUANTITATIVE FINANCE	A	4.00	
<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 5.00			ST1131	INTRODUCTION TO STATISTICS AND STATISTICAL COMPUTING	A-	4.00		
ACADEMIC YEAR 2022/2023 SEMESTER 2			ACADEMIC YEAR 2023/2024 SEMESTER 2					
ACC1701X	ACCOUNTING FOR DECISION MAKERS	A+	4.00	CP3209	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING	IP	8.00	
CS1010R	PROGRAMMING METHODOLOGY	S	1.00	CP3209R	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING (REX)	IP	-	
CS2030S	PROGRAMMING METHODOLOGY II	A	4.00	CS2309	CS RESEARCH METHODOLOGY	W	4.00	
CS2040S	DATA STRUCTURES AND ALGORITHMS	A	4.00	CS3231	THEORY OF COMPUTATION	B+	4.00	
ES1103	ENGLISH FOR ACADEMIC PURPOSES	S	4.00	CS4234	OPTIMISATION ALGORITHMS	A+	4.00	
MA2101	LINEAR ALGEBRA II	A+	4.00	CS4261	ALGORITHMIC MECHANISM DESIGN	A	4.00	
QF1100	INTRODUCTION TO QUANTITATIVE FINANCE	A	4.00	GEC1024	GHOSTS AND SPIRITS IN SOCIETY AND CULTURE	S	4.00	
ST2334	PROBABILITY AND STATISTICS	A+	4.00	GEN2050X	TEACH SG	IP	4.00	
<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 5.00			<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 4.76					
ACADEMIC YEAR 2023/2024 SEMESTER 1			ACADEMIC YEAR 2024/2025 SEMESTER 1					
CS2100	COMPUTER ORGANISATION	A-	4.00	CP3209	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING	IP	8.00	
CS2101	EFFECTIVE COMMUNICATION FOR COMPUTING PROFESSIONALS	B+	4.00	CP3209R	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING (REX)	IP	-	
CS2102	DATABASE SYSTEMS	A-	4.00	CS2309	CS RESEARCH METHODOLOGY	W	4.00	
CS2103T	SOFTWARE ENGINEERING	A-	4.00	CS3231	THEORY OF COMPUTATION	B+	4.00	
<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 4.75			CS4234	OPTIMISATION ALGORITHMS	A+	4.00		
ACADEMIC YEAR 2024/2025 SEMESTER 2			CS4261	ALGORITHMIC MECHANISM DESIGN	A	4.00		
<b>BACHELOR OF COMPUTING (COMPUTER SCIENCE)</b> GRADE POINT AVERAGE: 4.75			GEC1024	GHOSTS AND SPIRITS IN SOCIETY AND CULTURE	S	4.00		
			GEN2050X	TEACH SG	IP	4.00		

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CP3209	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING	A-	8.00				
CP3209R	UNDERGRADUATE RESEARCH PROJECT IN COMPUTING (REX)	CS	-				
CS3210	PARALLEL COMPUTING	B	4.00				
CS3264	FOUNDATIONS OF MACHINE LEARNING	A-	4.00				
CS4225	BIG DATA SYSTEMS FOR DATA SCIENCE	B+	4.00				
CS4231	PARALLEL AND DISTRIBUTED ALGORITHMS	B+	4.00				
ES2660	COMMUNICATING IN THE INFORMATION AGE	S	4.00				
GEN2050X	TEACH SG	A	4.00				
IS2238	ECONOMICS OF IT AND AI	A-	4.00				

BACHELOR OF COMPUTING (COMPUTER SCIENCE)

GRADE POINT AVERAGE: 4.64

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