

Arul Murugan

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Educational Background			
B.E.(Hons) Chemical	Birla Institute of Technology and Science Pilani, Goa Campus	7.21 CGPA	2022 Expected
Class XII	Maharishi International Residential School, CBSE	86.00%	2017
Class X	Sri Vignesh Vidyalaya Senior Secondary School, CBSE	9.2 CGPA	2015
Subjects			
Electives	Business Analysis and Valuations, Game Theory and its Applications, Development Economics, Intro to Cognitive Neuroscience, Public Policy, and Mathematical And Statistical Thermodynamics.		
Technical Skills	R, Python, Excel, Tableau, and PowerPoint.		
Internships and Work Experiences			
Associate Product Manager Intern, BrightChamps	<ul style="list-style-type: none">Worked on various automation projects to streamline operations and product delivery including webpage scrapping, data extraction from Instagram, and Certificate generationBrightChamps is an early-stage ed-tech startup disrupting the nextgen skills	Jul 2021 - Dec 2021	
Research Assistant, Queen Mary University of London	<ul style="list-style-type: none">Worked with Dr. Vimal Balasubramaniam from the Queen Mary University of London on a project to augment a statistical package in R on event studies, incorporating machine learning techniques for finance research. Wrote R program to pull the data for NIFTY50 scrips and estimate the abnormal returns	May 2021 - Jul 2021	
Research Consultant, WorldQuant LLC	<ul style="list-style-type: none">Implemented research papers into trading strategies using diverse datasetsDesigned High-Sharpe, robust and unique long-short equity models, by using statistical arbitrage modeling; back-tested on historical data of 10 yearsWorldQuant is an international hedge fund and quantitative investment management firm	Feb 2019 - Oct 2019	
Projects			
Sentiment Analysis	<ul style="list-style-type: none">Ingesting a large amount of financial text data and news from the web, and using NLP techniques (I.e. BERT, GPT) to generate coherent summaries, and also extract relevant sentiments, and correlate with market movements	Sep 2021 - Present	
Market Entry	<ul style="list-style-type: none">Worked out the Market Entry Strategy and STP on South Indian Market for Nirogyaan- a healthcare startup specializing in smart medical reports, as a part of Consulting Club	Jul 2020 - Sep 2020	
Cyber Security	<ul style="list-style-type: none">Thanked by Indian Overseas Bank(IOB) for finding and reporting a major Loophole in 2FA(Two-factor authentication) in the net-banking infrastructure of the bank	Sep 2017	
Positions of Responsibility			
Partner for Business Studies, BITS Goa Consulting Club	<ul style="list-style-type: none">Co-founded the Consulting Club for BITS Pilani, Goa CampusLead a team to organize Guest Lectures and Problem Solving Tests for the club member.Collaborated with the Consulting Clubs of IIM Calcutta and IIM Lucknow to work on live projects and knowledge sharingCTE Instructor - Strategy Consulting and Business Analytics	May 2020 - Apr 2021	
Vice-President, ShARE BITS Goa	<ul style="list-style-type: none">Co-founded the ShARE Chapter on BITS Pilani, Goa CampusLearning Unit Manager for the mobility team, where I lead and train a group of people on foundations for Consulting and Problem Solving	Jan 2020 - Apr 2021	
Competitions			
ICPC Regionals	<ul style="list-style-type: none">Received an Honourable Mention for the performance in the regional round of ICPC and also finished with a team rank of 1097The International Collegiate Programming Contest is an algorithmic programming contest for college students	Oct 2019	
180 DC Case Study Competition	<ul style="list-style-type: none">Won the First position as a team in a Case Study Competition on Pricing Strategy for Vodafone-Idea, in order to compete with JioCompeted with 600+ participants across various disciplines and years of study	Aug 2019	
Alpha Quality Program	<ul style="list-style-type: none">Achieved a Global rank of 11th and National rank of 2nd in Alpha Quality ProgramThis is an event where all the research consultants of Worldquant LLC around the globe have to submit a report on their best alpha, where they have to explain the rationale and the strategies deployed for the quant-finance model	Jul 2019	
Extra-Curricular Activities			
Swimming	<ul style="list-style-type: none">Was a competitive swimmer for 7 years, Had the honor of representing my district officially in Tamil Nadu state meets and Chief Minister's TrophyList of medals won: State Level: 7, Regional Level: 3, District Level: 19		