

# Arul Murugan

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Educational Background			
B.E.(Hons) Chemical	Birla Institute of Technology and Science Pilani, Goa Campus	6.76 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 Proficiency	R, Python, Excel, Tableau, and PowerPoint.		
Internships and Work Experiences			
Business Dev. Associate, PROI India	<ul style="list-style-type: none"><li>Worked on studying the Market Research and Competitor Analysis for this Start-up</li><li>Created content for Marketing and awareness about the product</li><li>PROI is a Start-up started with the aim of developing an affordable inventory management setup, optimized using ML, Data Analytics, and Image Processing</li></ul>	Nov 2019 - Mar 2020	
Research Consultant, WorldQuant LLC	<ul style="list-style-type: none"><li>Implemented research papers into trading strategies using diverse datasets</li><li>Designed High-Sharpe, robust and unique long-short equity models, by using statistical arbitrage modeling; back-tested on historical data of 10 years</li><li>WorldQuant is an international hedge fund and quantitative investment management firm</li></ul>	Feb 2019 - Oct 2019	
Projects			
Augmenting a statistical package in R to carry out Event-Studies	<ul style="list-style-type: none"><li>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</li></ul>	May 2021 - Jul 2021	
Market Entry	<ul style="list-style-type: none"><li>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</li></ul>	Jul 2020 - Sep 2020	
Cyber Security	<ul style="list-style-type: none"><li>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</li></ul>	Sep 2017	
Positions of Responsibility			
Partner for Business Studies, BITS Goa Consulting Club	<ul style="list-style-type: none"><li>Co-founded the Consulting Club for BITS Pilani, Goa Campus</li><li>Lead a team to organize Guest Lectures and Problem Solving Tests for the club member.</li><li>Collaborated with the Consulting Clubs of IIM Calcutta and IIM Lucknow to work on live projects and knowledge sharing</li><li>CTE Instructor - Strategy Consulting and Business Analytics</li></ul>	May 2020 - Apr 2021	
Vice-President, ShARE BITS Goa	<ul style="list-style-type: none"><li>Co-founded the ShARE Chapter on BITS Pilani, Goa Campus</li><li>Learning Unit Manager for the mobility team, where I lead and train a group of people on foundations for Consulting and Problem Solving</li></ul>	Jan 2020 - Apr 2021	
Corporate Panel Coordinator, Quark BITS Goa	<ul style="list-style-type: none"><li>Planned out Stock Pitching Competition and Battle of Portfolios events</li><li>Quark is the National level Annual Tech fest of BITS Pilani, Goa</li></ul>	May 2020 - Mar 2021	
Competitions			
ICPC Regionals	<ul style="list-style-type: none"><li>Received an Honourable Mention for the performance in the regional round of ICPC and also finished with a team rank of 1097</li><li>The International Collegiate Programming Contest is an algorithmic programming contest for college students</li></ul>	Oct 2019	
180 DC Case Study Competition	<ul style="list-style-type: none"><li>Won the First position as a team in a Case Study Competition on Pricing Strategy for Vodafone-Idea, in order to compete with Jio</li><li>Competed with 600+ participants across various disciplines and years of study</li></ul>	Aug 2019	
Alpha Quality Program	<ul style="list-style-type: none"><li>Achieved a Global rank of 11th and National rank of 2nd in Alpha Quality Program</li><li>This 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</li></ul>	Jul 2019	
Extra-Curricular Activities			
Swimming	<ul style="list-style-type: none"><li>Was a competitive swimmer for 7 years, Had the honor of representing my district officially in Tamil Nadu state meets and Chief Minister's Trophy.</li><li>List of medals won: State Level: 7, Regional Level: 3, District Level: 19.</li></ul>		