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Quantum ML Industrial Solutions Catalogue

Bhadale Group of Companies

Bhadale Group of Companies consists of:

1. Bhadale IT Pvt. Ltd is an IT and Computer Engineering subsidiary company

This division provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. Bhadale Engineering Pvt. Ltd is a multi-engineering subsidiary company

Various divisions under this group provide design, & development of various IT and Engineering programs.

Bhadale Group has aggressive programs in place to serve the niche market. Below is related to Hybrid cloud Services

Bhadale Group IT Division, Research Services department

Below are few of our service offerings:

Quantum ML Industrial Solutions: We offer optimized end-to-end solutions that enable better integrated quantum cloud systems, for real time responses and handling mission critical problems

- 1. Healthcare
- 2. Finance
- 3. Cybersecurity
- 4. Blockchain and cryptocurrencies
- 5. Applied Artificial Intelligence
- 6. Logistics
- 7. Commercial Data Analytics
- 8. Commercial Pattern Matching
- 9. Manufacturing and industrial design
- 10. Resource management
- 11. Aviation
- 12. Agriculture
- 13. National security

Details of the above are put in the table below

Product details

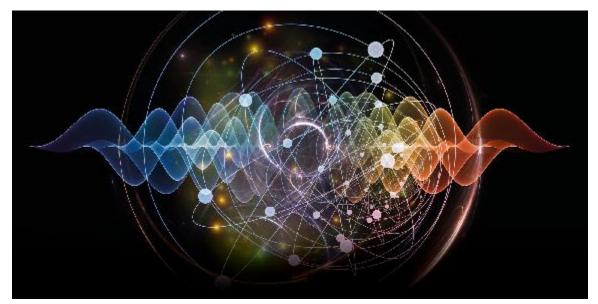


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We have a large set of subcategories; few are mentioned below with details tabulated

Service No	Service Name	Key Service features
1	Healthcare	 We offer services for quantum computer to simulate a chemical reactions, which could help speed up drug discovery efforts to help predict how proteins will fold in the body(protein folding helps in designing powerful protein-based medicines / therapeutics easier) personalized medicine by allowing faster genomic analysis to inform tailored treatment plans specific to every patient making genome sequencing more efficient and easier to scale
2	Finance	 We assist BFSI industries to parse through financial data more quickly, running better forecasting models, and more accurately weighing conflicting possibilities help solve complex optimization problems related to tasks like portfolio risk optimization and fraud detection, Monte Carlo simulations (a probability simulation used to understand the impact of risk and uncertainty in financial forecasting models)

Quantun	ML Industrial Solution	ns catalogue Bhadale Group of Companies		
6	Logistics	We offer solutions to classical real world issues like TSP , like		
		1. optimizing the traffic flow for taxis and transport vehicles		
	1 	2. efficiently personalized pack parcels and optimize global delivery routes		
	1 1 1 1 1 1	3. easier adaption to changes(such as canceled orders or rescheduled deliveries)		
! ! ! !	1 1 1 1 1 1	4. drone dispatching with real-time monitoring and status reporting		
		 speedier approvals at ports, faster inspections and lesser wait time for perishable goods and better door delivery services 		
7	Commercial Data Analytics	We offer faster analysis of commercial data, like		
		 Quantum computing to help solve problems on a huge scale using topological analysis 		
		Analysis of data warehouses, data-marts and various data types of big data sources using quantum computing		
	 	3. Data mining and pattern extraction		
		 Faster generation of ERP data like payroll processing, accounting, taxes and corporate digital records management 		
8	Commercial Pattern Matching	We offer simplified solutions to industrial business/ use case/issues patterns ,like		
		finding patterns in business data and using these to predict future patterns		
		Inform transporters of traffic patterns/conditions in advance.		
		3. matching traffic patterns and predicting the behavior of a system		
		4. matching illegal transactions patterns		
		5. matching security threat patterns		
		6. matching abnormal health conditions		
! ! ! !	! ! ! !	7. matching abnormal industrial processes, faults of remote stations		
		8. matching supply chain demands and advanced warnings		
9	Manufacturing and industrial design	We offer quantum merits in automation, control and monitoring of industries, like		
		3D manufacturing, nanodesigns and fabrication		

Quantum	ML Industrial Solution	2. error detections in chip level with millions of transistors		
		3. robotics control design		
	 	4. training and cobots NLP communications		
		analysis of stress strains in structures and life time/life cycle predictions parameterized engine optimizations		
		6. supply chain optimizations		
		7. real time analysis, fault detections in consumer goods		
		8. fast food and other products to ensure better health quality and prevention of infections		
10	Resource management	We offer Govt and agencies in sustainment of achievable goals, like		
		 demand, supply, scoring, ranking of true resource value, and non performing assets 		
1 1 1 1 1 1 1 1		base pensions / living wage management for the disqualified/ under qualified/ weaker sections		
		 non merit biases, ruling out biases related to skills vs. merit to perform a work, and avoiding red taping 		
	 	4. neutral bench for hiring and disqualifications of all appointments/layoffs		
		5. ruling out misuse of authority and number games		
11	Aviation	We assist the aeronautical industry, like		
		for digital modeling and materials sciences		
		research new materials for building better products .		
	 	3. analysis real time avionics data, mining large datasets		
		4. filtering anomalies, offering early warnings		
		avoiding of major disasters by analysis flight path parameters (external, internal and any dependents)		
12	Agriculture	We offer farmers/ agro product manufactures with advanced solutions, like 1. ability to produce ammonia (or a substitute) more efficiently		
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Quantum	ML Industrial Solution	s catalogue	Bhadale Group of Companies	
		2. real time analysis of soil	samples and images and offering precise farming kit	
		identify the best catalyt recommendations to in-	ic combinations for various fertilizers for personalized dividual farmers	
		molecular analysis of nigenerators	trogenase and similar low cost nitrogen/ other gas	
		•	records, soil samples for risk factors, and utilization of unused / potential growth of crops/ for	
13	National security	We offer assistance to national agencies, like		
		1. Ethical Intelligent spying	3	
		2. running battlefield simu	lations	
		3. designing better materi	als for military vehicles	
		4. quantum arms race		
		5. real time analysis of nat	ional intelligence records, reports, and crimes	
		6. advanced warnings for a consequences	military movements, simulations and forecasting of	

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