

July 28 2021

Quantum ML Services Catalogue

Bhadale Group of Companies

Bhadale Group of Companies consists of:

1. Bhadale IT Developers 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 Developers 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 hardware solutions: Various models of hardware are designed to make best systems and optimal design that enable proper performance and quality standards to meet client business needs

Quantum ML software solutions: Various models of software are designed to make best software that enable proper performance and quality standards to meet client business needs

Quantum ML algorithms solutions: Various algorithms are offered to for optimal design that enables proper performance and quality standards to meet client business needs

Quantum ML AI assets solutions: Various AI and ML assets are designed that enable proper enterprise assets to meet client business needs and standards

Quantum ML optimization solutions: Various optimized solutions across enterprises that enable proper use of enterprise assets and better productivity to meet client business needs and standards along with cost savings and potential improvements in quality, performance and productivity

Quantum ML research solutions: Various research solutions are designed along with client managers and R&D departments that enables adoption of cutting edge technologies for client businesses

Quantum ML cloud solutions: We offer integration, migration for brown and green field projects for various AI and ML assets that enable leveraging of the public, private and hybrid cloud topologies to meet client business needs and standards

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

Details of the above are put in the table below

Product details

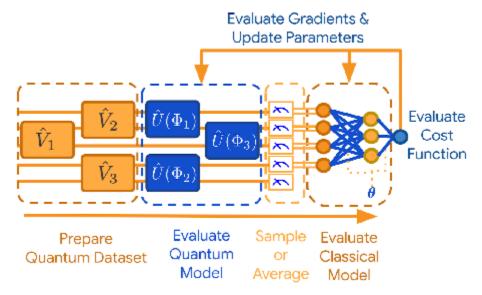


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We have a large set of subcategories; few are mentioned below with details tabulated

Service No	Service Name	Key Service features
1	Quantum ML hardware solutions	We offer unique solutions that enable clients to leverage on the vendor platforms in areas of quantum laaS or in-house assembly of quantum computers. Based on unique needs like superconductor, absolute zero temperatures, lon traps, annealing, backend designs, electro mechanical circuit designs all are part of our ambitious plan to assist clients in adopting the hardware for this purposes.
		We assist in design of the hardware four abstract layers: the "quantum data plane," where the qubits reside; the "control and measurement plane," responsible for carrying out operations and measurements on the qubits as required; the "control processor plane," which determines the sequence of operations and measurements that the algorithm requires; and the "host processor," a classical computer that handles access to networks, large storage arrays, and user interfaces. This host processor runs a conventional operating system/user interface, which facilitates user interactions
		We assist in various types of qubit generation platforms:
		1) Trapped Ion qubits, very precise laser (or microwave) source that can be directed at a specific ion to affect its quantum state, another laser to "cool" and enable measurement of the ions, and a set of photon detectors to "measure" the state of the ions
		 Superconducting qubits at near absolute zero temp; we offer wirings of proper materials to reduce thermal loads, in particular from 300 K to the 3 K stage,

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For more details, contact below:

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