

Coverage Report

Mphasis Granted U.S. Patent for Quantum Prediction System

April 10, 2025

Online

Business Standard

[Mphasis secures US patent for its solution on enhancing quantum machine learning](#)

Mphasis announced the award of a U.S. patent on System and method for optimized processing of information on quantum systems. The newly issued patent outlines a pipeline to improve the scalability and performance of quantum machine learning (QML) on near-term quantum computing systems including quantum simulators.

This solution transforms high-dimensional classical input data into an enhanced feature space in quantum format. The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis. The optimal representation method for classical data on quantum systems minimizes the need for additional qubits for higher-dimensional data, handles large feature sets and high volumes of data, and ensures efficient convergence during quantum machine learning (QML) model training. QML leverages its ability to process high-dimensional, complex data, delivering solutions beyond the reach of classical high performance computing hardware.

Quantum Machine Learning (QML) is emerging as a transformative paradigm, enabling academia and industry to solve real-world AI challenges with unprecedented efficiency. This technology and the associated patent stand as a testament to our commitment to innovation and the advancement of next-generation technologies, said Srikumar Ramanathan, Chief Solutions Officer, Mphasis.

Business Standard

[Mphasis gets U.S. patent for quantum prediction system](#)

Mphasis said that it has been granted U.S patent for its innovation titled "System and method for optimized processing of information on quantum systems".

The patent highlights a groundbreaking approach to enhance the scalability and performance of quantum machine learning (QML) on near-term quantum computing platforms, including quantum simulators.

This solution transforms high-dimensional classical input data into an enhanced feature space in quantum format. The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis.

The optimal representation method for classical data on quantum systems minimizes the need for additional qubits for higher-dimensional data, handles large feature sets and high volumes of data, and ensures efficient convergence during quantum machine learning (QML) model training. QML leverages its ability to process high-dimensional, complex data, delivering solutions beyond the reach of classical high performance computing hardware.

Srikumar Ramanathan, chief solutions officer, Mphasis, said, Quantum Machine Learning (QML) is emerging as a transformative paradigm, enabling academia and industry to solve real-world AI challenges with unprecedented efficiency. This technology and the associated patent stand as a testament to our commitment to innovation and the advancement of next-generation technologies.

Mphasis is a leading Information Technology (IT) solutions provider specialising in cloud and cognitive services. The company's consolidated net profit jumped 1.06% to Rs 427.81 crore in Q3 FY25 as compared with Rs 423.33 crore in Q2 FY25. Net sales marginally increased to Rs 3,561.34 crore in Q3 FY25, up 0.71%, as compared with to Rs 3,536.15 crore in Q2 FY25. The counter declined 2.25% to Rs 2,120.65 on the BSE.

The Hindu Business Line

[Mphasis secures US patent for boosting quantum machine learning performance](#)

Mphasis, an IT solutions provider specialising in cloud and cognitive services, has received a US patent on “System and method for optimized processing of information on quantum systems”. This patent outlines a pipeline to improve the scalability and performance of quantum machine learning (QML) on near-term quantum computing systems including quantum simulators.

According to the company, this solution transforms high-dimensional classical input data into an enhanced feature space in quantum format. The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis. “QML is emerging as a transformative paradigm, enabling academia and industry to solve real-world AI challenges with unprecedented efficiency. This technology and the associated patent stand as a testament to our commitment to innovation and the advancement of next-generation technologies,” said Srikumar Ramanathan, Chief Solutions Officer, Mphasis.

The optimal representation method for classical data on quantum systems minimises the need for additional qubits for higher-dimensional data, handles large feature sets and high volumes of data, and ensures efficient convergence during quantum machine learning (QML) model training, Mphasis sahed. QML leverages its ability to process highdimensional, complex data, delivering solutions beyond the reach of classical highperformance computing hardware.

The Hindu

[Mphasis gets U.S. patent for boosting scalability, performance of quantum machine learning](#)

Mphasis, Bengaluru-based IT firm specialising in cloud and cognitive services, on Wednesday said it was awarded a U.S. patent on “System and method for optimized processing of information on quantum systems.”

The newly issued patent outlines a pipeline to improve the scalability and performance of quantum machine learning (QML) on near-term quantum computing systems including quantum simulators, as per company communique.

According to the company, this solution transforms high-dimensional classical input data into an enhanced feature space in quantum format. The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis.

The optimal representation method for classical data on quantum systems would minimise the need for additional qubits for higher-dimensional data, would handle large feature sets and high volumes of data, and would ensure efficient convergence during quantum machine learning (QML) model training.

“Quantum Machine Learning (QML) is emerging as a transformative paradigm, enabling academia and industry to solve real-world AI challenges with unprecedented efficiency. This technology and the associated patent stand as a testament to our commitment to innovation and the advancement of next-generation technologies,” said Srikumar Ramanathan, Chief Solutions Officer, Mphasis.

Business Today

[Mphasis gets US patent for quantum prediction system, stock reacts](#)

IT major Mphasis said on Wednesday said it has received an award of a US patent on “System and method for optimized processing of information on quantum systems”. However, unfazed by the positive development, Mphasis stock ended 2.41% lower at Rs 2117.35 on BSE. Market cap of the firm stood at Rs 40,245 crore. The stock has fallen 27% in six months and is down 13.71% in a year.

The stock is in the bear grip as it stands lower than the 5 day, 20 day, 30 day, 50 day, 100 day and 200 day moving averages.

"The newly issued patent outlines a pipeline to improve the scalability and performance of quantum machine learning (QML) on near-term quantum computing systems including quantum simulators. This solution transforms high-dimensional classical input data into an enhanced feature space in quantum format," said the firm in a communication to BSE.

"The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis. The optimal representation method for classical data on quantum systems minimizes the need for additional qubits for higher-dimensional data, handles large feature sets and high volumes of data, and ensures efficient convergence during quantum machine learning (QML) model training. QML leverages its ability to process high-dimensional, complex data, delivering solutions beyond the reach of classical highperformance computing hardware" it added.

Mphasis is a global Information Technology (IT) solutions provider specializing in providing cloud and cognitive services, applies next-generation technology to help enterprises transform businesses globally.

ET Legal World

[Mphasis secures US patent for quantum data processing innovation](#)

Mphasis announced the award of a U.S. patent on “System and method for optimized processing of information on quantum systems”.

The Information Technology (IT) solutions provider specialising in cloud and cognitive services stated that the newly issued patent outlines a pipeline to improve the scalability and performance of quantum machine learning (QML) on near-term quantum computing systems including quantum simulators.

This solution aims to transform high-dimensional classical input data into an enhanced feature space in quantum format.

The feature space transformation ensures efficient mapping and preparation for quantum state loading, paving the way for improved quantum data processing and analysis.

The optimal representation method for classical data on quantum systems minimizes the need for additional qubits for higher-dimensional data, handles large feature sets and high volumes of data, and ensures efficient convergence during quantum machine learning (QML) model training. QML leverages its ability to process high-dimensional, complex data, delivering solutions beyond the reach of classical highperformance computing hardware.

"Quantum Machine Learning (QML) is emerging as a transformative paradigm, enabling academia and industry to solve real-world AI challenges with unprecedented efficiency. This technology and the associated patent stand as a testament to our commitment to innovation and the advancement of next-generation technologies," said Srikumar Ramanathan, Chief Solutions Officer, Mphasis.

Zee Business

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Mphasis: Mphasis shares ended over 2 per cent lower at Rs 2,117.35 despite being granted U.S patent for its innovation titled "System and method for optimized processing of information on quantum systems.

MSN

[Mphasis gets US patent for quantum prediction system, stock reacts](#)

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Mphasis secures quantum machine learning patent

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