

Quantum Computing

Quantum computing is set to revolutionize the world of computing. Unlike classical computers that use bits, quantum computers use qubits, allowing them to process complex calculations exponentially faster. Quantum mechanics principles such as superposition and entanglement enable quantum computers to solve problems that are currently impossible for traditional computers. Major tech companies, including IBM and Google, are investing in quantum research to develop practical applications. However, challenges such as error correction and hardware limitations remain key hurdles.