

# Priyanshu Kumar Sinha

Software Engineer (Entry Level)

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## Projects+ Freelance

**Disease prediction using its symptoms:** A new approach (LMVM) for Disease prediction.

**Dynamic Ansatz:** Specific Circuit for Quantum Computer that is used to find ground state of H2 molecule.

**A new graph for plotting Events of Molecular Orbital:** A new kind of graph that maps the event of active molecular orbital.

**Paramaterize Dynamic Ansatz:** A special type of Quantum Computer Circuit that is used in VQE algorithm.

**Analyzer for best cousine:** An algo which tells sets of food people like the most in the party or vice versa.

**Web development for National California park services:** Using Public APIs for fetching data.

## Education

**Master of Computer Application** (2020-Jun' 22)

79.3% Birla Institute of Technology, Ranchi, India

**Bachelor of Science (Chemistry, Maths)** (2017-20)

60.75% Magadh University, Gaya, India

**12th (PCM)** (2017-16)

58.6% D.A.V Public School, T Nagar, Patna, India

**10th** (2014-15)

72.2% D.A.V Public School, T Nagar, Patna, India

## Achivements

QGSS22- Quantum Excellence (Jul 2022)

IBM Quantum Challenge Fall 21 Intermediate (Nov 2021)

IBM Quantum Challenge Africa (Sep 2021)

IBM Quantum Challenge 2021 Intermediate (Jul 2021)

Quantum Computing Course (0ct' 20-May' 21)

By IBM Quantum & QubitXQubit

## Info

Date of Birth 22/09/1999

Nationality Indian

Languages English, Hindi

## Skills

Python — — — — —

Javascript — — — — —

C/C++ — — — — —

HTML — — — — —

CSS — — — — —

SQL — — — — —

MongoDB — — — — —

Jquery — — — — —

Node Js — — — — —

OpenQASM — — — — —

pgSQL — — — — —

## Technologies

# Quantum Computing SDK

Qiskit, MyQLM

# Software Architecture Pattern

Microservices, Client-server

# Libraries (Python)

Numpy, Matplotlib & Pandas

# Editor

Visual Studio, Jupyter Notebook

PyCharm, Sublime, VS Code

# Version Controller

Git, Github, SourceForge, BitBucket

# System Concepts

System design, Database design,  
Process optimization, Oops