

# MR. SANGRAM SHIVAJIRAO DESHPANDE

QUANTUM SOFTWARE DEVELOPER

## PROFILE

Being a Curious computer science student, I'm always interested to learn new technologies and developing new algorithms. I'm Interested to work in the quantum computing domain, Where I'd like to work on challenging projects related to Quantum AI and Machine Learning, also I wish to contribute to the worldwide quantum computing industry with my skills. I have solved the currency arbitrage problem using the TSP approach on a quantum computer. And I wanted to solve many such problems with an innovative approach.

## PROJECTS

### A system for scrambling data in Galois field using Quantum Computing approach

Sep 2019 - Jun 2020

### Implementation of quantum algorithm for solving differential equation

Jun 2019 - Jul 2019

## SKILLS

- Python And Related Libraries
- C, Julia
- Machine Learning & MLOps
- Quantum Computing
- Optimization methods - linear and non-linear
- AWS Cloud and AWS Braket
- qiskit
- Jira, Trello, git project management
- git, Docker
- Data Analytics, Data Visualization
- working knowledge of CI/CD, DevOps
- Backend - Django, Flask and FastAPI & Restful Arch.
- Software design & Development
- Database
- VS Code, Jupyter, Postman
- Linux based OS
- Website development and Management
- Communication Skills
- Debugging

## LANGUAGES

English  
Marathi  
Hindi  
German

## CONTACT

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- 🌐 <https://github.com/SchrodingersSangru>

## EXPERIENCE

### Qulabs Software India Pvt. Ltd., Hyderabad

Junior Research Associate *May 2021 - Present*

I am working in the Quantum AI group, working on the Quantum Machine learning algorithms, and use in the finance domain. Also handling the development side of the project.

- Quantum Computing Industry Use Case Research
- Administration skills
- Fintech Product design & Development
- Integration of Classical and Quantum Framework
- Quantum Software Development

## EDUCATION

### B.Tech. Computer Science Engineering

KIT's College of Engineering, Kolhapur, India

Aug 2016 - Jul 2020

Completed My Bachelor's degree in Computer Science Engineering with a **distinction grade**, was in top 20% student from my university.

## ACTIVITIES

- **Delivered lecture about Quantum Physics and Applications for Students.**
- **Worked as a public outreach head of Entrepreneurship Cell, KIT.**
- **Worked as a student Co-coordinator of IIC for KIT.**
- **Worked for Science Popularization with many organizations.**

## AWARDS

Qiskit Badges

QML Challenge - July 2021

QWorld Awards - Silver and Bronze

Qubit X Qubit Course