

Swaraj Purohit

Quantum Enthusiast

Enthusiastic learner, constantly expanding knowledge and skillset through independent research, regular reading of industry journals, and attendance at seminars and conferences.

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SKILLS

Python	Javascript
Golang	C/C++
Bash	Java
Solidity Frameworks	Rust
Qiskit	Pytorch
ReactJs	QML
Numpy Database	NextJS
SQL	Graphql
MongoDB tools	Firebase
Git	CI/CD
Docker	Web3

AWARDS

QCHack IBM Quantum	April 2021
One of the winners of IBM Creative challenge	
MIT WPU Octathon winner MIT WPU	January 2022
IBM Quantum Challenge 2021 Advanced IBM Quantum	June 2021
IBM Quantum Challenge Africa 2021 Achievement IBM Quantum	September 2021
IBM Quantum Challenge - Fall 2021 - Advanced IBM Quantum	September 2021

EDUCATION

MIT World Peace University Bachelors Computer Science and Engineering	(May 2019 - July 2023) 9.1
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Internalized the fundamentals of computer science and engineering, including object-oriented programming and data structures, demonstrating problem-solving.

WORK EXPERIENCE

Qintern

Intern

(July 2021 - August 2021)

The project involved using a universal AGI RL framework for simple experiments in QIT. The agents interact with the environment to model the quantum observables.

Freelancer

Web Technologies

Created and implemented comprehensive tracking and reporting module to provide detailed data on all marketing campaigns, including click rates and customer engagement metrics, for entire nationwide enterprise.

PROJECTS

Satellite Image Reconstruction

<https://github.com/anomius/SWIR---Satellite-Image-Reconstruction>

Developed Generative Adversarial Networks (GANs) to reconstruct missing data in satellite imagery and identify faults in SWIR(short wave infrared) imaging. Demonstrated advancements through keynote given for SPIE Smart Trends in Computing and Communications Conference.

Quantum 3D Game of Life

https://github.com/anomius/Qc_hack

Participated in the creation of a Game of Life simulation for Quantum 3D. Created visualization and animation programming, allowing users to customize their own game board. Also involved in the project from conception to completion was done during QCHack Hackathon

Smart Irrigation System

<https://github.com/anomius/Smart-Irrigation-System>

Applied IoT concepts to ensure success of smart irrigation system prototype as part of team using Raspberry Pi and sensors for home owners with the objective to help conserve water and save money.

Garden-of-thoughts

<https://github.com/anomius/Garden-of-thoughts>

created a website that allows me to keep track of all the notes that I have learned. In addition to providing myself with a way to look through my notes, it allows me to reflect and learn from what I previously wrote.

ElPsyKongroo

<https://github.com/anomius/el-psy-kongroo>

Developed new fintech marketplace with blockchain technology, developing and launching new product on time and under budget

Memeies

<https://github.com/anomius/memeies>

Created web based api for getting memes. This was a summer project for a class and the goal was to create a web api that would provide random deep space images as well as memes on demand. The project was done in python using flask

PUBLICATIONS

Reconstruction of missing data in Satellite Imagery using SN-GANs

ORGANIZATIONS

Google Developer Student Club
core member

Swapnapurti