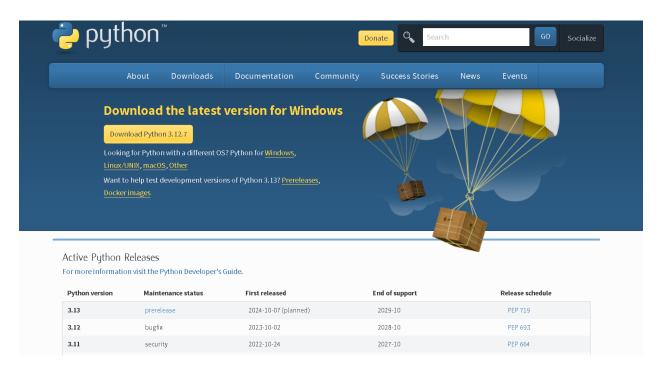
Tools and Methodology of system implementation

Tools in use are:

Python

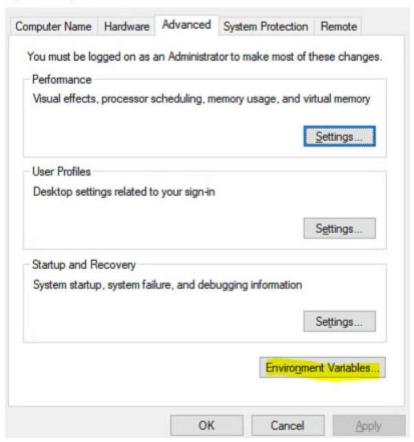
Python was used in this project extensively since the system implementations required calculations and python was the best of several languages to integrate the mathematical calculations with due to its easily understandable codes.



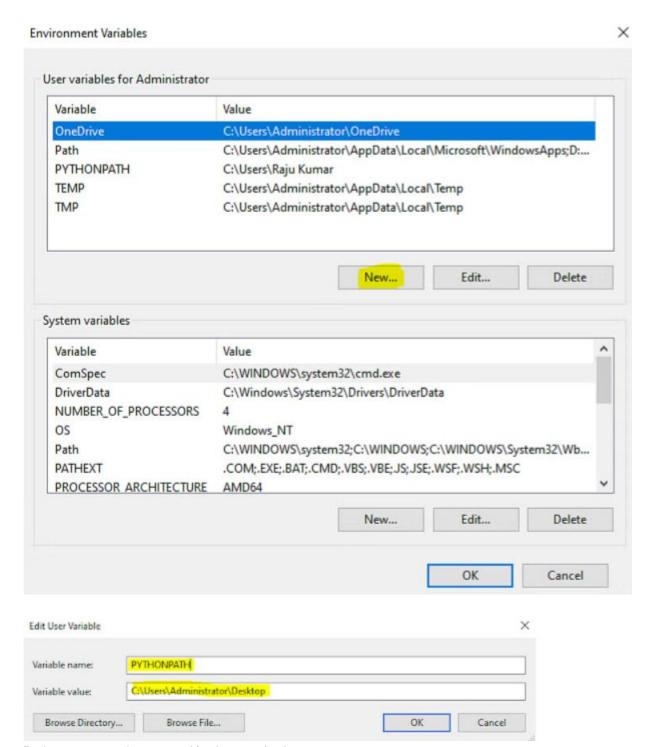
Pythons download link: https://www.python.org/downloads/

Setting the path:





X

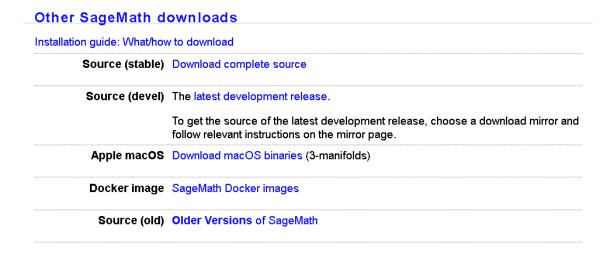


Python can now be opened in the terminal.

Sagemath



Sagemath is the environment used to write python code for one of the system implementations.



Sage math download link: https://www.sagemath.org/download.html

Visual studio code



Code faster with Al

Visual Studio Code with GitHub Copilot supercharges your code with Al-powered suggestions, right in your editor.

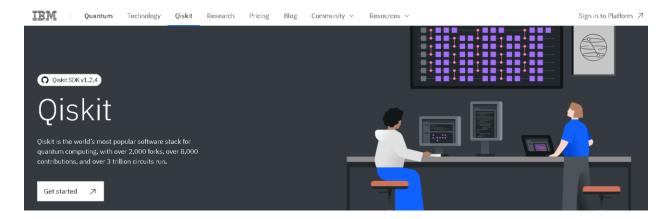
Download for Windows	Try GitHub Copilot

An environment used for installing packages, dependencies and calculating with python and qiskit.

Visual studio code download link: https://code.visualstudio.com/docs/?dv=win64user

Qiskit

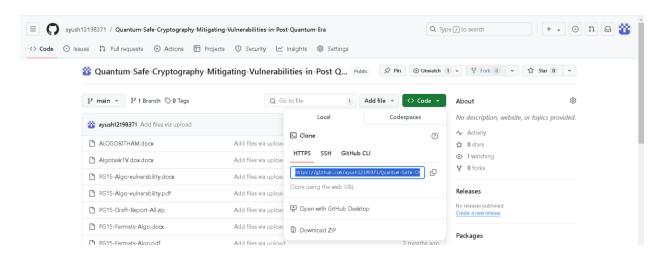
An IBM development kit for running quantum computers.



Getting started: https://docs.quantum.ibm.com/guides/hello-world

Github

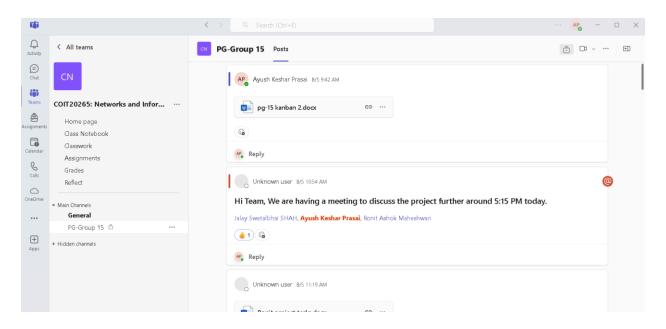
Tool to collaborate and maintain dependency used in recommendation with the institution.



Clone link: https://github.com/ayush12198371/Quantum-Safe-Cryptography-Mitigating-Vulnerabilities-in-Post-Quantum-Era.git

Microsoft Teams

Communication tool used for collaboration in real time and holding meetings or exchanging information.



Agile Methodology

Submissive use of agile ceremonies such as:

Daily standup, Sprint retrospective, daily scrum etc.