



Urvi Haval

STUDENT, MIT-WPU

A highly motivated research-oriented student who is passionate about quantum computing and machine learning. Intrigued by problems and determined to find the solutions.

RELEVANT EXPERIENCE

- **Technical Team Member, MIT-WPU Cosmos** **2020-current**
 - The official astronomy and astrophysics club of MIT-WPU
 - Helped build a fully functional Python pipeline for an optical observatory.
- **Kalpana Fellow, VigyaanShaala International** **2020**
 - Was a part of a cohort of international women in STEM, mentored by a top 1% global STEM professor.
 - Learnt about research life cycle, and approach to various problem statements.

RELEVANT PROJECTS

- **AI-based Trash-cleaning Beach Robot** **July 22-current**
 - Developing a robot capable of detecting lifting trash objects on the beach.
 - Working on the computer vision pipeline using the YOLOv5 algorithm.
- **Mini projects on Machine Learning**
 - Housing prices prediction
 - Coffee roasting quality prediction
 - Spam email classification
 - Wine quality prediction
- **Mini projects on Quantum Computing**
 - Simulated various quantum gates, circuits.
 - Fashion recommender system using QML.
 - Simulation of quantum teleportation algorithm.
- **Digital Dashboard for vehicle cluster** **May 22-current**
 - Developing a low-cost, compact digital dashboard for automobiles using Raspberry Pi.

RELEVANT COURSES

- Machine Learning Specialization by DeepLearning.AI and Stanford, Coursera
- Introduction to Data Science, Edx
- Qiskit Global Quantum Computing Summer School, IBM (Won the quantum excellence batch)
- Summer School on quantum information and quantum computing 2022, IISER Kolkata

CONTACTS

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- 📍 Pune, India

EDUCATION

1. BTech in Electronics and Communication Engineering
CGPA - 9.76
2. HSC, Sanjay Ghodawat Institute
JEE Mains - 85.6
MHCET - 90.09 HSC - 78
3. SSC, New India School
SSC - 95.6

VOLUNTEERING

- Design and Publicity Head, IEEE MIT-WPU Chapter
- Internship and Placement Head, TY ECE.
- Participated in a student exchange program(ASEP) in Taiwan in 2017.

SKILLS

- Programming - Python, C++ (basics), TensorFlow, Keras, MATLAB(MATLAB Onramp received), Cirq (basic)
- Quantum : Qiskit, Cirq (basics), quantum hardware.
- Others : Microcontrollers, Arduino, Raspberry Pi
- Languages : English, Marathi, Hindi, German(working proficiency)