**Harsh Yadav**

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**Summary**

Master's graduate in Computer Science with hands-on experience in icon/UI design, machine learning research, and collaborative AI-driven workflows. Proficient in Python, Git, and Linux systems with an eagerness to apply cross-disciplinary skills in development, design, or research-focused roles. Strong communicator and fast learner, well-adapted to modern development environments.

**Skills**

* **Languages & Tools:** Python, C++, Git, Markdown, Bash
* **Frameworks & Libraries:** PyTorch, TensorFlow, Keras, PennyLane, Cirq, Matplotlib, Seaborn, NumPy, Scikit-learn
* **Design & UI:** [Figma (icon/logo design), SVG editing](https://www.figma.com/files/team/1498231198139975724/drafts?fuid=1408801663614041685)
* **Productivity & Collaboration:** Microsoft Office Suite, AI-assisted workflows (e.g., ChatGPT, Copilot)
* **Systems:** Linux (Fedora), CLI tools, version control

**Education**

* **Master of Computer Science**
* Guru Ghasidas Vishwavidyalaya, Bilaspur
* 2022 – 2024 **|** CGPA: 7.27
* **Bachelor of Science (Computer Science)**
* Kamla Nehru College, Korba
* 2019 – 2022

**Research Project**

**Comparative Study of Quantum Convolutional Neural Networks and ResNet-50-Based Architectures for Medical Image Classification**

* - Conducted a detailed analysis of QCNN and ResNet-50 models using the MNIST medical dataset.
* - Evaluated models based on accuracy, precision, recall, F 1-score, and computational efficiency.
* - QCNN achieved 93.5% accuracy; ResNet-50 reached 96.1%.
* - Used frameworks including TensorFlow, PyTorch, PennyLane, and Cirq for quantum-classical hybrid implementation.
* - Findings demonstrated ResNet-50's superior current performance but highlighted QCNN's potential in future scalable quantum systems.

**Experience**

**Icon & Logo Designer**

*David Studio (Indie Game Dev Studio)* | Remote

*2023 – 2024*

* Designed icons and logos for an indie game in development.
* Collaborated with art and design teams to ensure consistent visual identity.
* Used Figma and SVG tools to build scalable branding assets.

**Certifications and Projects (GitHub)**

* **Certificate**
* FreeCodeCamp - [Responsive Web Design](https://freecodecamp.org/certification/Hrshydv/responsive-web-design)
* **Projects**
* [QCNN vs ResNet](https://github.com/Harshyadv/Final_Semester_Research_QCNN_vs_ResNet)
* [Live](https://harshyadv.github.io/Tribute-Page/)

*References available upon request.*