

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
- **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
- **Projects**
 - QCNN vs ResNet
 - Live

References available upon request.