Harsh Yadav

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Summary

Systems-focused engineer specializing in Linux infrastructure, automation, and reliability. Experienced in Fedora/RHEL administration, boot-level recovery, performance tuning, and scripting (Bash/Python) to build resilient, production-ready systems.

Skills

- **Systems:** Linux (Fedora/RHEL)
- **Programming:** Bash, Python
- **Workflow:** CLI, Git
- **Tools:** Markdown, Microsoft Office

Research Project

- **Comparative Study of QCNN and ResNet-50 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.
  - 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.

Education

- **Master of Computer Science (2022 - 2024)**
  - Guru Ghasidas Vishwavidyalaya, Bilaspur - CGPA: 7.27 (68.50%)

- **Bachelor of Science (Computer Science) (2019 - 2022)**
  - Kamla Nehru College, Korba - 76.83%

Projects & Certifications (GitHub)

- QCNN vs ResNet
- FreeCodeCamp - Responsive Web Design
- My "About Me" website

References available upon request.

Data Handling Notice: If I am not selected, all submitted information must be redacted in its entirety.