SHUBHANSHU POKHAREL

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PROFESSIONAL WORK EXPERIENCE

Fayette County Public Schools, Lexington, KY, USA October 2022 – December 2022
Technical Intern

- Streamlined technology systems across 5+ schools, reducing average issue resolution time through proactive maintenance and organization.
- Diagnosed and resolved 50+ hardware/software issues weekly (e.g., network connectivity, OS errors), ensuring uptime for classroom operations.
- Spearheaded integration of 200+ interactive smartboards and LMS platforms, improving digital literacy for 1,500+ students.
- Managed inventory and distribution of 500+ Chromebooks across district schools, ensuring equitable access to technology for students and staff.

46 Solutions, Lexington, KY, USA August 2022 – October 2022
IT Intern

- Diagnosed and resolved hardware and software issues across diverse client environments to minimize downtime.
- Developed strong client communication and troubleshooting skills while prioritizing data security.
- Provided critical IT support to 10+ Lexington-based small businesses, including system migrations and network optimizations, enabling seamless digital operations during peak demand periods.

Amazon | Lexington, KY, USA Warehouse Associate | May 2023 – Present

- Processed 300+ customer returns daily in a fast-paced environment, evaluating product quality and determining resale eligibility with 98% accuracy.
- Collaborated with inventory management teams to ensure seamless integration of resalable items into warehouse systems, optimizing restocking efficiency.
- Maintained strict adherence to safety and compliance protocols, achieving zero incident reports during 2 years of service.
- Utilized Amazon's proprietary inventory management software to track 500+ SKUs weekly

PROJECT

Hand-Derived Neural Network

- Designed and implemented a neural network from the ground up to perform classification tasks.
- Manually derived weight initialization, backpropagation, and optimization algorithms, deepening understanding of machine learning fundamentals and data optimization techniques.

Solution Sample Machine

- Developed a computer vision system to measure distances accurately using image processing techniques.
- Collaborated with mechanical engineers to integrate the system with safe sample collection protocols, ensuring precise measurements and effective interdisciplinary communication.

EDUCATION

Bachelor of Engineering in Computer Science　　　　　　　　　　**Expected Graduation: 2026**
University of Kentucky

- **Minor in Mathematics**
- **Dean's List in all semesters | 4.0 GPA**
- **Relevant Coursework: Algorithms, Data Structures, Linear Algebra, Probability, Machine Learning**

TECHNICAL SKILLS

Programming: Python, C++, C, Bash, PowerShell

AI/ML: Neural Networks, Backpropagation, Computer Vision (OpenCV), Data Optimization

Systems: Windows, macOS, Linux (Ubuntu), Hardware/Software Troubleshooting

Tools: PyTorch (conceptual), Image Processing, System Security Protocols