Dipson Thapa
Computer Engineering Graduate

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PROFESSIONAL SUMMARY

A Computer Engineer with strong analytical and problem-solving skills, experienced in data preprocessing, working with datasets, and basic predictive modeling. Skilled in Python, Excel, SQL and with the ability to extract insights and communicate results clearly. Eager to apply data-driven skills to support real-world decision-making.

TECHNICAL SKILLS

Quality Assurance Skills
- Basic Understanding of Manual Testing concepts
- Test case writing and execution
- Bug identification and reporting

Networking & Tools
- Basic networking (IP config, DHCP, routing)
- Git & Github
- Command Line (Linux & Windows)

Programming & Databases
- Python, C, C++, Java
- Bash Scripting (Basic)
- MySQL, MongoDB

System & IT Support
- Linux(Ubuntu), Windows OS
- System installation & configuration
- Hardware Installation & maintenance

WORK EXPERIENCE

Lab Assistant   **Nov 2025 – Present**
Nepal Engineering College(NEC), Bhaktapur
- Assisted in laboratory setup, hardware installation, and routine equipment maintenance.
- Provided technical troubleshooting for software errors, system crashes, and network issues.
- Conducted database management, software engineering, and digital signal processing practical sessions.

EDUCATION

Bachelor Of Computer Engineering   **July 2021 - Aug 2025**
Nepal Engineering College, Pokhara University   CGPA: 3.46

XII, NEB   **Apr 2018 - May 2020**
Xavier International College, Kalopul, Kathmandu   CGPA: 3.65

PROJECTS

Manual QA Testing Project – Login System Testing   **Nov 2024 – Dec 2024**
- Designed and executed 20+ manual test cases
- Performed Functional and Smoke testing
- Identified and documented bugs
- Prepared structured test documentation using Excel

Notera - Notes Management System   **March 2024 – Aug 2024**
- Designed web platform for organizing academic notes.
- Tools: PHP, MySQL, XAMPP, HTML, CSS, JavaScript, and Bootstrap for web and database management.

Ishara Setu - Nepali Sign Language Detection System   **Jan 2025 – Aug 2025**
- Collected and curated 13,500+ NSL video samples covering 51 sign classes, captured at 25 FPS under diverse lighting conditions using Python + OpenCV.
- Tools: Python, OpenCV, NumPy, Pandas, Matplotlib, TensorFlow, Keras, Jupyter Notebook, and OpenCV VideoCapture for data processing.