PRASHANNA CHAND

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# PROFILE SUMMARY

Motivated and detail-oriented Software Engineering student with hands-on experience in machine learning, computer vision, and backend development. Skilled in Python and modern web frameworks like Django and Flask. Passionate about building scalable systems and intelligent solutions, with a strong eagerness to learn and contribute in real-world environments.

# TECHNICAL SKILLS

• Programming Languages: Python, Java, C, C++, JavaScript  
• ML/DL Libraries & Tools: TensorFlow, Keras, OpenCV, YOLO, scikit-learn, Matplotlib  
• Web Frameworks & Technologies: Django, Flask, PHP, HTML/CSS, XAMPP, MySQL  
• Developer Tools: Git, VS Code, Postman  
• Soft Skills: Problem Solving, Communication, Teamwork, Time Management, Public Speaking

# EDUCATION

Nepal College of Information and Technology (NCIT) — B.E. Software Engineering  
6th Semester Running

Intermediate Level (Science) — Completed 2021  
GPA: 3.42

Secondary Level Education — Bhanubhakta Memorial H.S. School (2019)  
GPA: 3.80

# PROJECTS

* Fashion Recommendation System – Python, Flask, CNN, ResNet, KNN

April 2025  
➢ Developed a content-based recommendation engine for fashion items using deep learning.  
➢ Employed ResNet50 for feature extraction and KNN for similarity matching, deployed via Flask.

* Sign Language Alphabet Detection – Python, YOLOv5, OpenCV

March 2025  
➢ Built a real-time sign language alphabet detection system using YOLO for gesture recognition and OpenCV for image processing.

* Cat-Dog Image Classification – Python, TensorFlow, Keras

February 2024  
➢ Trained and evaluated a CNN to classify cat and dog images.  
➢ Handled image preprocessing, visualization, and model evaluation.

* Library Management System – Java Servlets, MySQL, Apache Tomcat

March 2024  
➢ Designed a complete CRUD-based system for managing library records and transactions.

* Dynamic News Site – PHP, MySQL, XAMPP

January 2024  
➢ Created a content management platform with admin controls using PHP and a MySQL database.

# EXPERIENCE & VOLUNTEERING

Kathmandu International Mountain Film Festival (2024)  
➢ Front desk, ticketing, and audience management

COVID-19 Emergency Viber Group Volunteer (2021–2022)  
➢ Provided remote support to affected individuals

Kathmandu Model College (2021)  
➢ Crowd Management Coordinator

Earthquake Relief (2015)  
➢ Assisted in distributing menstrual and post-natal care supplies

# WORKSHOPS & COMPETITIONS

• AI Workshop – NCIT  
• Web Development Workshop – NCIT  
• Ethical Hacking Workshop – KMC  
• Software Meet – GDG Kathmandu  
• Hult Prize NCIT – Quarterfinalist

# LANGUAGES

English, Nepali, Doteli, Hindi