PRASHANNA CHAND

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PROFILE SUMMARY

Detail-oriented and motivated Software Engineering student with expertise in backend development, computer vision, and machine learning. Proficient in Python, Django, Flask, and modern web technologies. Passionate about creating scalable, intelligent solutions and eager to contribute to innovative projects while continuously expanding technical knowledge.

TECHNICAL SKILLS

- **Programming Languages**: Python, Java, C, C++, JavaScript
- **Machine Learning/Deep Learning**: TensorFlow, Keras, OpenCV, YOLO, scikit-learn, Matplotlib
- **Web Frameworks & Technologies**: Django, Flask, PHP, HTML/CSS, MySQL, Apache Tomcat, XAMPP
- **Developer Tools**: Git, VS Code, Postman, GitHub, Docker
- **Soft Skills**: Problem Solving, Effective Communication, Team Collaboration, Time Management, Public Speaking

EDUCATION

Nepal College of Information and Technology (NCIT) — B.E. Software Engineering
6th Semester (Ongoing), Expected Graduation: 2026
 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 techniques.
- Utilized 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.

- Leveraged OpenCV for efficient image processing and visualization.

Cat-Dog Image Classification — Python, TensorFlow, Keras
February 2024

- Designed and trained a convolutional neural network (CNN) to classify cat and dog images.
- Managed image preprocessing, model training, and performance evaluation.

Library Management System — Java Servlets, MySQL, Apache Tomcat
January 2024

- Created a content management platform with admin controls, integrating MySQL for data storage.
- Deployed using Apache Tomcat for robust performance.

MeroChulo — Django
May 2025

- Developed a Django-based local recipe management application with full CRUD functionality.

SangeetAdda — WINSOCK API
June 2025

- Built an audio room application using WINSOCK API, enabling server-generated playlists and client-side controls for play, pause, resume, and skip functionalities.

Movie-Explorer — React
July 2025

- Created a React-based web application for exploring movies listed in the OMDB database.

Byayamshala — Django, React
July 2025

- Developed a Django-React web application to assist users in their beginner workout routines.

Additional projects available on my portfolio.

EXPERIENCE & VOLUNTEERING

Kathmandu International Mountain Film Festival — Volunteer
2024–2025

- Coordinated audience management, ticketing, and guest relations.
- Managed front desk operations and volunteer coordination.

COVID-19 Emergency Viber Group — Volunteer
2021–2022

- Provided remote support and assistance to individuals affected by the pandemic.

Kathmandu Model College — Crowd Management Coordinator
2021

- Organized and managed crowd flow for events and activities.

Earthquake Relief — Volunteer
2015

- Assisted in distributing menstrual and post-natal care supplies to affected communities.

WORKSHOPS & COMPETITIONS

- AI Workshop — NCIT
- Web Development Workshop — NCIT
- Ethical Hacking Workshop — KMC
- Software Meet — GDG Kathmandu
- Hult Prize NCIT — Quarterfinalist

LANGUAGES

- English (Fluent)
- Nepali (Native)
- Doteli (Proficient)
- Hindi (Proficient)