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, Redis

- **Soft Skills**: Problem Solving, Effective Communication, Team Collaboration, Time Management, Public Speaking

EDUCATION

Nepal College of Information and Technology (NCIT) — B.E. Software Engineering
7th 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.

WeatherWave — Django, React, Supabase
August 2025

• Built a smart weather application using Django, React, and machine learning, delivering real-time weather updates and predictive temperature forecasts for all 77 districts of Nepal through a responsive Progressive Web App (PWA) with offline support and user personalization features.

PaisaKhai — Django, React, neon db
August 2025

• Built a full-stack expense tracking and budgeting application using Django REST Framework, React.js, and PostgreSQL, enabling personal and group expense management with smart settlement suggestions and real-time notifications.

Additional projects available on my portfolio.

WORK EXPERIENCE

Websafe.cc — Django intern September–*December(2025)*

- Worked on maintaining and enhancing **backend systems** using **Django** and **Django REST Framework**.
- Assisted in **database design, optimization, and maintenance** (PostgreSQL/MySQL).
- Implemented and worked with **Celery** for background task processing and **Redis** as a message broker/cache.
- Helped debug and fix backend issues, improving application stability and performance.
- Collaborated with the development team to integrate APIs and support ongoing feature development.
- Gained hands-on experience with **production-level codebases**, version control (Git), and deployment workflows.

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)