



Pankaj Bhattarai

Nationality: Nepalese **Date of birth:** 10/10/2003

Phone number: (+91) 7200474587 **Phone number:** (+977) 9823460246

Email address: pankajbhattarai50@gmail.com

Home: Suryabinayak 04 Dadhikot, 44809 Bhaktapur (Nepal)

EDUCATION AND TRAINING

Bachelor's of Technology - CSE with specialization in Cyber Security

SRM Institute of Science and Technology [01/09/2020 – 01/06/2024]

City: Kattankulathur

Country: India

Website: <https://www.srmist.edu.in/>

PUBLICATIONS

DETECTION OF PNEUMONIA USING MACHINE LEARNING

[2023]

Presented in ICIMMI-2023

Deep learning-based system for automated pneumonia detection from chest X-ray images to enhance diagnostic accuracy and effectiveness, with potential life-saving impact in resource-constrained medical settings.

AUTOMATED DETECTION AND ANALYSIS OF PLANT DISEASES

[2023]

Manuscript Ready

An automated system using Image Processing, Machine Learning, and computational techniques for timely and accurate detection of plant diseases

FACE EXPRESSION RECOGNITION SYSTEM WITH MUSIC RECOMMENDATIONS

[2023]

Accepted for Publication , ICIDCA 2024

VGG Net-based system for facial expression analysis using the FER 2013 dataset, enabling accurate emotion recognition for indirect communication and integrating facial expressions into music recommendation frameworks.

PATENTS

AI BASED PLANT EXTRACT ANALYSING DEVICE TO IDENTIFY DISEASE

Design No. : 392971-001 granted by The Patent Office, Government of India

DIGITAL SKILLS

C / C++ / Python / CSS / Java / SQL / Javascript(Nodejs, ExpressJs) / HTML / MySQL

PROJECTS

An AI based chatbot to help with Campus life

Simple face-based login system based on Flask

C Header File for Vector Manipulations

HONOURS AND AWARDS

Winning Team - Smart Campus Hackathon

SRM Innovation, Incubation and Entrepreneurship Center [23/02/2023]

Compex Scholarship

Government of India [18/12/2020]

Received 100% scholarship along with stipend and other facilities for pursuing B.Tech(CSE) in SRMIST by Government of India under the COMPEX Scholarship Scheme

NETWORKS AND MEMBERSHIPS

Association for Computing Machinery

[22/05/2023 – Current]

WORK EXPERIENCE

General secretary

Kalpabriksha Nepal [09/06/2021 – Current]

City: Lalitpur

Country: Nepal

- General Administration
- Policy Making
- Technical Direction

LANGUAGE SKILLS

Mother tongue(s): **Nepali**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Hindi

LISTENING C2 READING C1 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user